



Navigating the Permit Process:

Tips and Tools for Green Industry

October 15, 2013

Manoa Grand Ballroom, Japanese Cultural Center of Hawaii



Welcome and Introductory Remarks

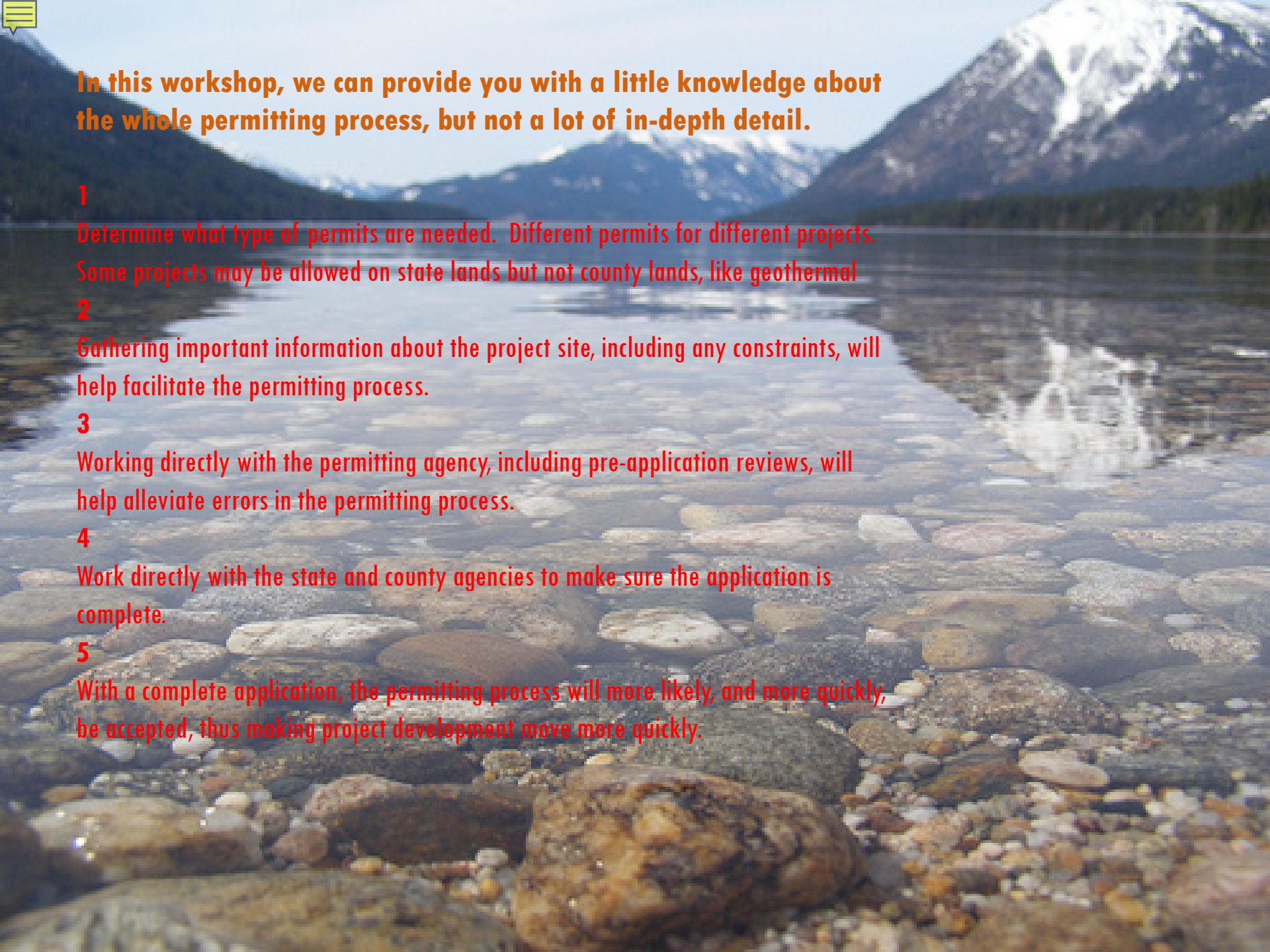


**Jesse K. Souki, Director
Office of Planning**



Purpose of the Workshop

- **To increase the awareness of land use and environmental permitting requirements that the green industry faces**
- **EDA-funded: CEDS implementation and growing the green economy**
- **Permitting has been identified as an issue for CEDS project implementation & renewable energy development in Hawaii**



In this workshop, we can provide you with a little knowledge about the whole permitting process, but not a lot of in-depth detail.

1

Determine what type of permits are needed. Different permits for different projects. Some projects may be allowed on state lands but not county lands, like geothermal

2

Gathering important information about the project site, including any constraints, will help facilitate the permitting process.

3

Working directly with the permitting agency, including pre-application reviews, will help alleviate errors in the permitting process.

4

Work directly with the state and county agencies to make sure the application is complete.

5

With a complete application, the permitting process will more likely, and more quickly, be accepted, thus making project development move more quickly.



Top 10 List

- **Local knowledge**
- **Identify key regulatory personnel**
- **Complete the application**
- **Don't skimp on planning and outreach**
- **Know the game: discretionary or ministerial**
- **Define your project—stick to it**
- **Follow approval criteria**
- **Look for opportunities for concurrency**
- **Have the right team of experts**
- **Be sure your team is communicating**



Permitting Issues, Permitting Resources & Tools at the County Level



Common Permitting Issues Seen by Counties

Joseph Alueta

Department of Planning, County of Maui



Common permitting issues...

- **Incomplete applications—no consultation with the agency**
- **Information provided too general, not specific enough**
- **Inadequate evaluation of project with respect to standards or criteria for a particular permit, e.g. land use permits**
- **Not enough information to clearly identify a project site**
- **Applications need to be understandable to lay decision-makers (for discretionary permits)**



Common permitting issues (contd)...

- **Lack of understanding of other permit requirements from other agencies**
- **For shoreline properties, confusion over state certified shoreline survey and setback requirements**
- **Plans not to scale (either reduced or enlarged) – planner's pet peeve**



...and some tips on how to avoid them

- **Encourage pre-consultation meeting—before submitting application—with with the department to discuss project**
- **Use application checklists to ensure applications are complete**
- **Then consult again with department to go over the preliminary application to make sure it is complete and acceptable**



...more tips on how to avoid common problems

- **Contact the department for any clarifications regarding development standards/requirements within the Comprehensive Zoning Ordinance (CZO)**
- **Don't forget to include shoreline survey lines on site plans, if applicable**
- **AND...put a scale on your maps and figures and make a planner happy! (bar scales work fine)**



County Permitting, Resources & Tools

County of Hawaii

**Bobby Command
Planning Department**





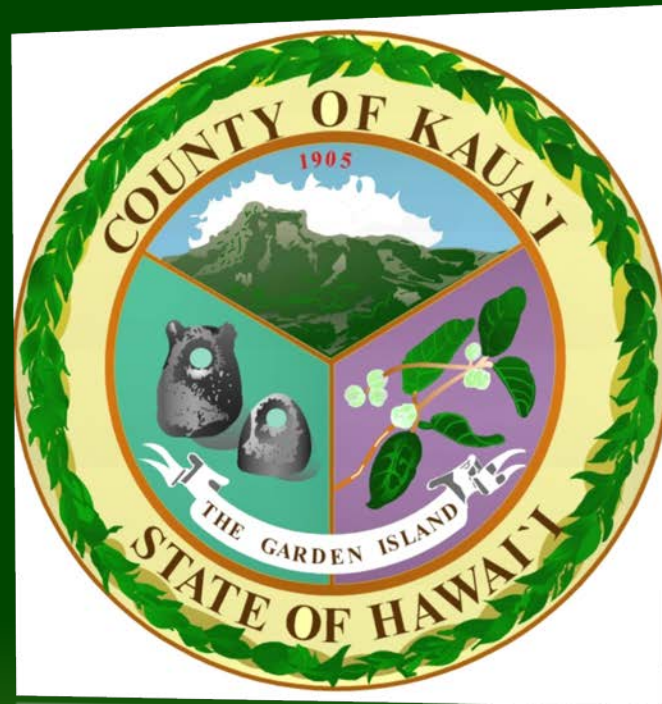
County Permitting, Resources & Tools

County of Kauai

Dale Cua

Kaaina Hull

Planning Department





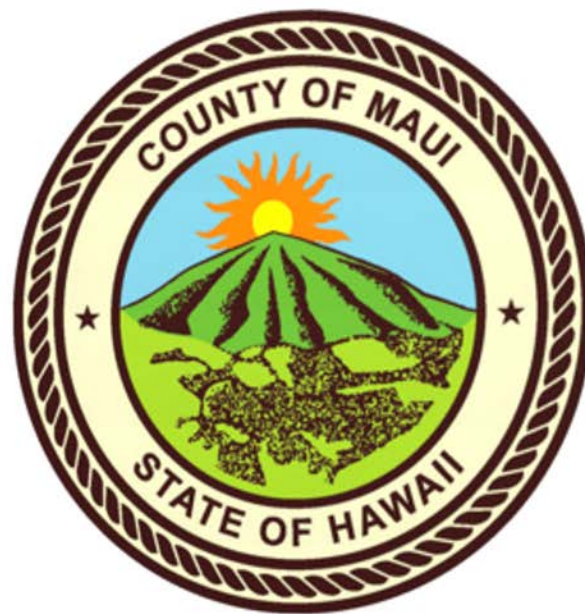
County Permitting, Resources & Tools

County of Maui

Jeffrey Dack

Carolyn Cortez

Department of Planning





Discretionary Permits

PRELIMINARY

- Building, grading and related permit applications, as well as subdivisions, are processed by:
 - Development Services Administration (DSA), Maui County Department of Public Works - 250 S. High Street, Wailuku 96793 – 808-270-7379 – dsa@co.maui.hi.us
- Zoning information, flood development permit and many administrative permit applications, such as for Special Management (coastal) Areas, processed by:
 - Zoning Administration and Enforcement Division (ZAED), Maui County Planning Department – 2200 Main Street, One Main Plaza Building, Room 335, Wailuku 96793 – 808-270-7253



Discretionary Permits

“Discretionary Permits” are approved by a Commission, County Council, etc., and are processed by:

- **Current Division, Maui County Planning Department, – 2200 Main Street, One Main Plaza Building, Room 619, Wailuku 96793 – 808-270-8205**

OVERVIEW/ROADMAP

- **Start at ZAED**
- **Submit a Zoning and Flood Confirmation Request Form to confirm property zoning and provide information on the property’s LSB soil classification.**



Discretionary Permits

- **ZAED tells you what, if any, permits are needed**
- **Complete application with all items in checklist**
- **Can submit discretionary permit application to Current Division, or to main office:**
 - **Maui County Planning Department – 2200 Main Street, One Main Plaza Building, Room 315, Wailuku 96793 – 808-270-7735 – planning@co.maui.hi.us**



Discretionary Permits

Current Division processes discretionary permit application, assigned to a single planner, who:

- **Reviews for completeness, and requests additional necessary information**
- **Transmits to agencies for comments**
- **Analyzes application against ordinances, plans, administrative rules, best practices, and requests additional necessary information**
- **Sets application on appropriate meeting agenda, such as a planning commission**



Discretionary Permits

Current Division planner (continued):

- **Writes report on project to the meeting body**
- **Planner supports the body at the meeting when application being considered**
- **Works with applicant on any post approval requirements by Planning Department**



Tips for Maui County Permitting

- **Maui County has a traditional “use” based zoning system, similar to Big Island and many older zoning ordinances on Mainland**
- **County’s traditional zoning sometimes has difficulty with energy facilities as the principal “use” on lots**
- **Most applications must be consistent with Countywide Policy Plan, Maui Island Plan (only on Maui), and applicable community plan (six on Maui, one each on Molokai and Lanai)**



Tips for Maui County Permitting

- **Discretionary permit applications involve considerable information, plans, and elapsed time to get to a public meeting agenda, so start early and be diligent**
- **A “Conditional Permit” can allow uses not among a zone’s listed uses, but can take a year and requires Council approval as an ordinance**



Tips for Maui County Permitting

- While PV facilities are allowed in State Agricultural districts, the County has additional ratios and limitations on size for facilities located in the Agricultural district depending on the LSB soil classifications.
- Planning Department permit applications and other information available at:
<http://www.mauicounty.gov/index.aspx?nid=121>
- Maui County land and permit information available at:
<http://www.mauicounty.gov/index.aspx?nid=79>



County Permitting & Resources & Tools

City & County of Honolulu

**Bruce McClure
Anne Lau
Department of
Planning & Permitting**





AIA Convention 2008

“What the Code Official Doesn’t Know, Can Hurt You”

Session ID Number FR44

Quote:

- **“Construction codes have become much more detailed and complex and offer many options for compliance”**
- **“Construction documents do not normally provide easy to find information detailing the thought process for code compliance.”**
- **“Permit and inspection department personnel many times do not have the time to search through a set of construction documents to guess at the thought process”**



Continue quotes:

“Code officials are not trained as mind-readers”

“Certain information needs to be transmitted to help the code official understand the project”

“Without this information the code official cannot issue the permit”



**“What the code official doesn’t
know can hurt you”**



**So the first step is:
“Know the codes”**

Revised Ordinances of the City and County of Honolulu

<http://www.co.honolulu.hi.us/refs/roh/>

Navigating the Permit Process | October 15, 2013

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Government | Online Services | Business / Industry | Residency / Community | Tourism

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Revised Ordinances of Honolulu

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Moxley, E.A. 09-2009

Revised Ordinances Affecting Building Permits (12 out of 41)



- **Chapter 14:**
 - **Public Works Infrastructure**
- **Chapter 16:**
 - **Building Code**
- **Chapter 17:**
 - **Electrical Code**
- **Chapter 18:**
 - **Fees and Permits for Building, Electrical, Plumbing and Sidewalk Codes**
- **Chapter 19:**
 - **Plumbing Code**
- **Chapter 20:**
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 - **Housing Code**
- **Chapter 32:**
 - **Building Energy Efficiency Standards**
- **Chapter 33:**
 - **Development Agreements**



Commercial Plans Submittal Checklist – Short Version



City and County of Honolulu Building Permit Commercial Application Checklist Department of Planning and Permitting

The purpose of this checklist is to provide a GUIDE to assist permit applicants as to the minimum information required for plans review for City and County of Honolulu permit requirements. If the minimum information indicated below is not provided, plans review may not be completed in a timely manner.

The applicant should also refer to "[SUPPLEMENT to the Building Permit Commercial Application Checklist](#)" ([hyperlink](#)) to determine whether additional information should be obtained before starting your project. This checklist is not to be considered as a regulatory document.

For complex projects, applicants should use the "location" column to note the item's location and page number from the plans or the specification book.

It is not necessary to duplicate submittal information, even if it is asked for in multiple sections.

In the checklist, "Required" means that the applicant must provide this information for plan review.

In the checklist, "P" means —

- If checked by the applicant — the information is provided for the plan review.
- If checked by the plans reviewer — this information is required for the plan review.

In the checklist, "NA" means that the information does not apply.

Choose only those sections of the checklist that apply to your scope of work. Section 1.0, "General Project Data," must be included with each project submitted.

1.0 General project data	Page 2
2.0 Civil data	Page 2
3.0 Landscaping data	Page 3
4.0 Architectural data	Page 3
5.0 Structural data	Page 4
6.0 Mechanical/Plumbing data	Page 4
7.0 Electrical data	Page 5
8.0 Other documents and reports	Page 5

CONTACT INFORMATION:

EMAIL

TELEPHONE

PRINT/SIGNATURE

DATE

Supplemental Commercial Plans Submittal Checklist - Long Version



City and County of Honolulu **SUPPLEMENT TO** The Building Permit Commercial Application Checklist Department of Planning and Permitting

The purpose of this supplement is to provide a brief explanation of the requirements associated with the commercial application checklist. Please refer to applicable jurisdictions, code sections, rules, ordinances and statute for more detailed information.

1.0	General project data	Page 2
2.0	Civil data	Page 5
3.0	Landscaping data	Page 8
4.0	Architectural data	Page 9
5.0	Structural data	Page 13
6.0	Mechanical/Plumbing data	Page 17
7.0	Electrical data	Page 20
8.0	Other documents and reports	Page 23



- **The quality and completeness of submittals (addressed by checklist).**
- **Site specific requirements (addressed by checklist).**
- **The volume of building permit within the department for review (addressed by Third Party Review, HONline, and other streamlining initiatives).**
- **The owner – the approval process is based upon a static set of submission if the owner constantly changes the design it has impact on the approval process. (Owner's responsibility).**
- **Contractor – not following approved set of drawings or not constructing to code (construction without a permit). New drawings and permit review required. (Not the City's responsibility to manage contractor).**
- **Applicant – not diligently routing submissions for approvals which are outside of the City's purview. (not the City's responsibility to manage applicant's responsibility).**



Permit Processing Tips

- **DON'T** forget to pick up your permit.





Permit Processing Tips

- **DON'T begin construction prior to obtaining DPP approvals.**





City and County of Honolulu

Permitting Tools



CITY AND COUNTY OF HONOLULU Department of Planning and Permitting (DPP)

Aloha. We provide services and information on building permits, development projects, and planning activities for the City and County of Honolulu.

 Search


[Home](#) [Applications & Forms](#) [Online Services](#) [Planning](#) [Project News](#) [Calendar](#) [Reports & Notices](#) [About DPP](#)

You are here: [HOME](#) > [Online Services](#)

Online Services and Resources

Welcome to the Department of Planning & Permitting (DPP) Online Services.

Thank you for visiting our online services! We hope to provide informational resources that will assist in your planning and permitting needs. Access the Honolulu Internet Permit System to get up-to-date status information and research parcel information. Use HONline and get an online building permit for certain types of work that do not require plan reviews, or submit an application and make an appointment. Save time and do it online!

Explore the island of Oahu through the Honolulu Land Information System by using GIS and create your own maps with layers of information that you can turn on or off, then print. View a variety of map services or use the links to access additional maps.

Use the Online Customer Service if you need to file a complaint for code violations or if you need to contact someone in the Department of Planning & Permitting.

ePlans - A new phase of the Honolulu e-Permitting system



Welcome to Honolulu ePlans.

The City has begun implementation of "Honolulu ePlans," a program to electronically review building permit plans. In addition to enhancing customer service and communication, this online system offers financial benefits by reducing paper use, printing and storage costs, drive time, and gasoline consumption.

When a building permit application is created, if ePlans is selected, an electronic project is created. The applicant will be invited to the project via email with instructions to log in, upload and/or review plans or documents in the ePlans system.

Steps to submit your ePlans application:

1. Review ePlans submittal requirements [Submittal Requirements](#)
2. Prepare drawings files [Tips for getting your plans through Prescreen - the first time!](#)
3. Submit Internet Building Permit Application [ePlans Submittal Instructions](#)
4. Login to ePlans and upload drawings [Link to ePlans Web Site](#)
5. Obtain any outside agency approvals [Routing Plans](#)

Instructions for using ePlans

- [How to check the status of your ePlans permit application](#) - Instructions on how to use ePlans reports to obtain up to the minute status information on your project, 24 hours a day, 7 days a week.
- [ePlans FAQ](#) - Frequently asked questions about ePlans
- [Resubmittal Instructions](#) - Instructions on how to review department comments and upload revised drawing files

The ePlans program is now open to all qualifying applicants and the public. Customers can still choose to use the existing paper system, but DPP will transition to electronic filing in the near future. For questions, contact DPP at info@honoluluodpp.org.

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CITY AND COUNTY OF HONOLULU Department of Planning and Permitting (DPP)

Aloha. We provide services and information on building permits, development projects, and planning activities for the City and County of Honolulu.

BUILDING PERMIT



[Permitting](#) [Searching](#) [DPP Home](#) [Sign In](#)

Online Building Permit -

Type of Permit

1-Type of Work | 2-Site Info | 3-Applicant Info | 4-Owner Info | 5-Contractor Info | 6-Contact Info | 7-Project Details | 8-Payment | 9-Summary | 10-Print Permit

Please select only ONE (1) checkbox from the list below. If the type of work is not listed below, you may not obtain a Building Permit online. You MUST submit a Building Permit Application to begin the processing of your permit application. This will be required when you come in for your Building Permit. If you would like to continue the application process, click on the "Building Permit Application" link at the left.

TYPE OF PERMIT:

Solar (Single-Family dwelling only)

- ☐ New installation
- ☐ Replace panels
- ☐ Heat pump installation

Electrical (Single-Family dwelling only)

- ☐ Meter upgrade or replacement
- ☐ Rewiring only
- ☐ Solar Photovoltaic installation
- ☐ Electric Vehicle Charger installation

Plumbing (Single-Family dwelling only)

- ☐ Replacement of fixtures, new house/sink filter systems and/or new water softener system

Building (Single-Family dwelling only)

- ☐ Air Conditioning Installation (split type systems only)
- ☐ New Fence

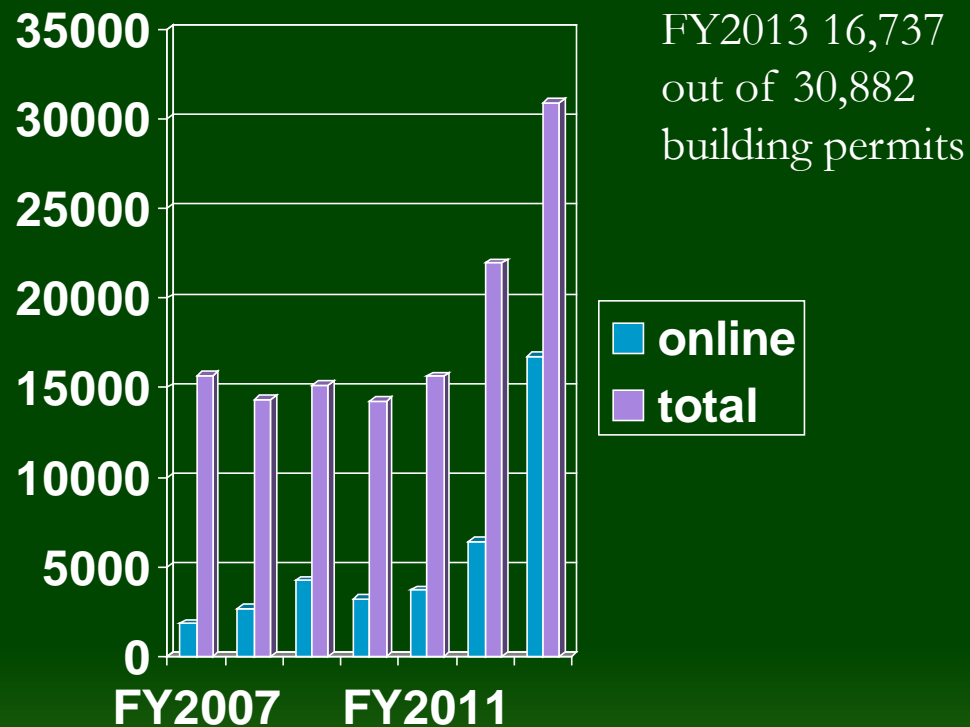
[Next](#) [Cancel](#)

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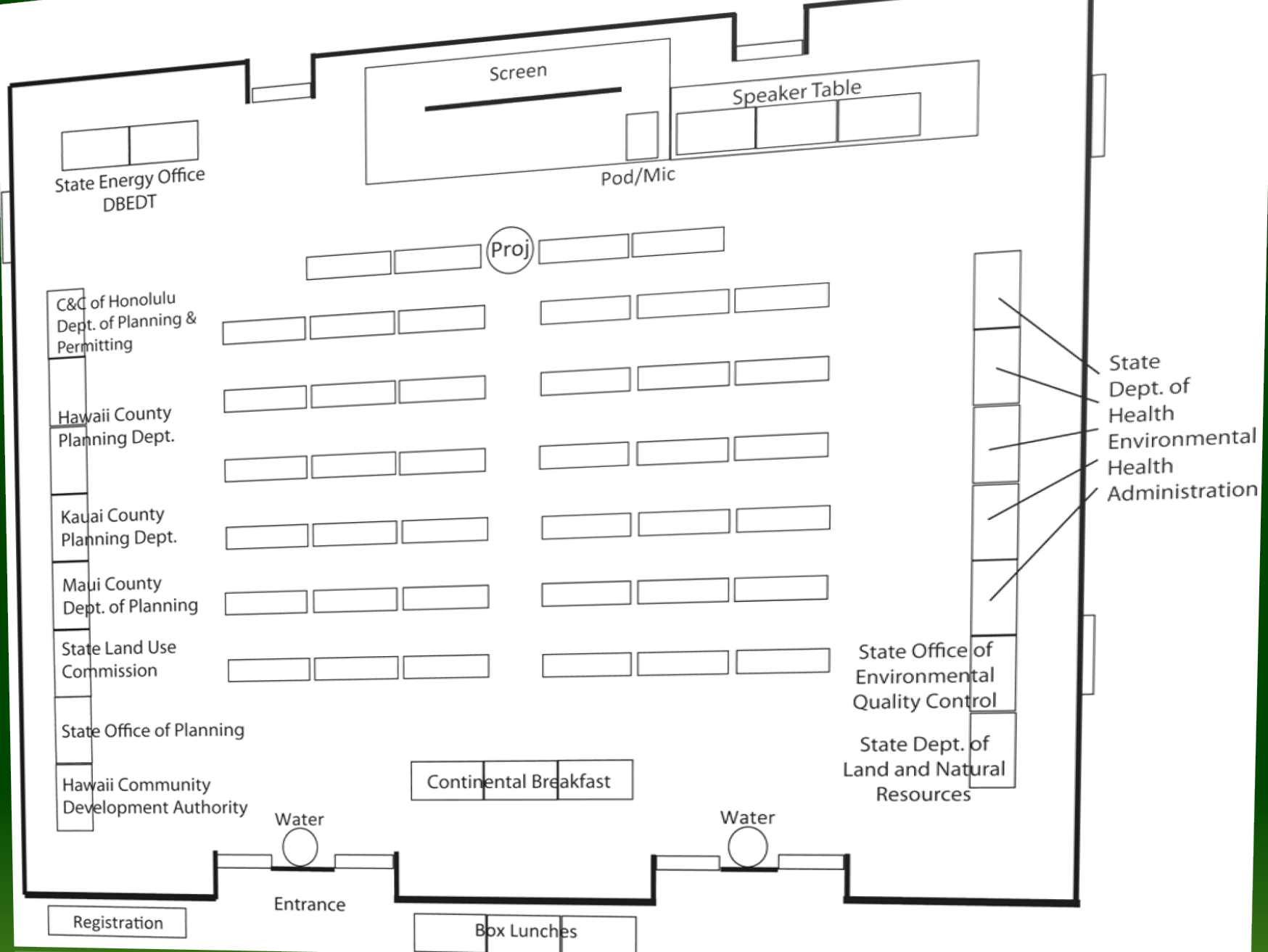
Online permits







<http://www.honoluluudpp.org/>



Permit Open House Floor Plan



Permitting, Permitting Resources & Tools at the State Level



State Permitting, Resources & Tools

Department of Land & Natural Resources

William Tam
Deputy Director



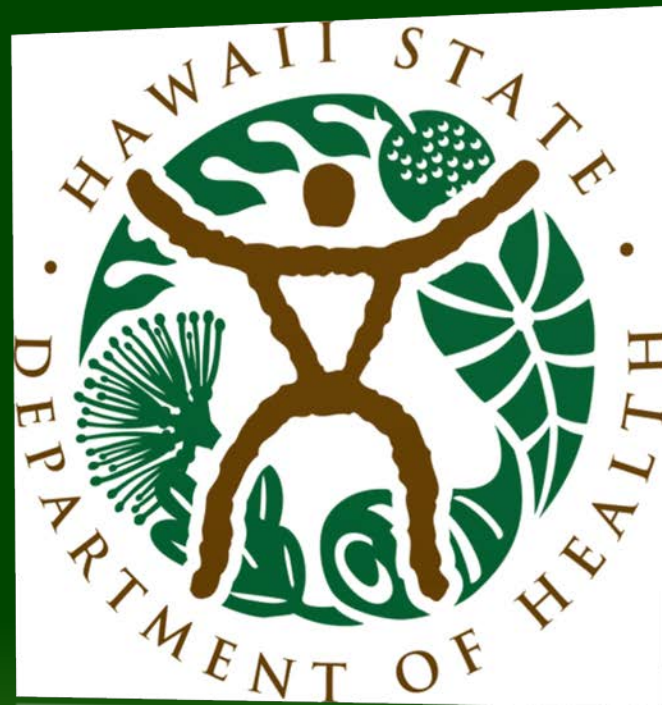


State Permitting, Resources & Tools

DOH Environmental Health Administration

Gary Gill

Deputy Director



Environmental Health Administration

- Environmental Management Division
 - Clean Air, Clean Water, Safe Drinking Water, Waste Water, Solid Waste
- Environmental Health Services Division
 - Sanitation, Food and Drug, Indoor and Radiation, Vector Control
- State Laboratories Division
 - Environmental Health, Medical Micro, Emergency Response
- Hazard Evaluation and Emergency Response
- Environmental Planning, Compliance Assistance, Information Management, Fiscal Resources



What requires a permit?



Water

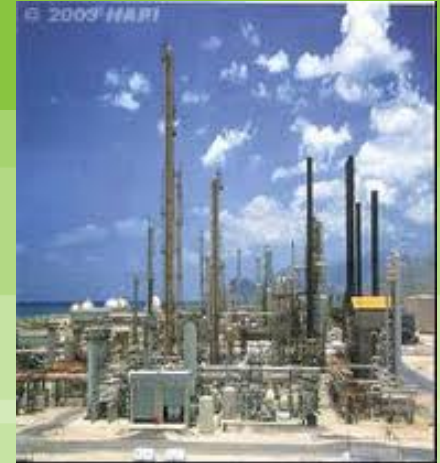


Hawaii State Department of Health
Environmental Health Administration



What requires a permit?

Air



Hawaii State Department of Health
Environmental Health Administration



What requires a permit?

Waste



Underground Storage Tanks



Hawaii State Department of Health
Environmental Health Administration



What requires a permit?

Food



Hawaii State Department of Health
Environmental Health Administration



What requires a permit?



Sanitation



Hawaii State Department of Health
Environmental Health Administration



What requires a permit?

Noise

Radiation

Indoor Air



Asbestos

Lead-based Paint



Hawaii State Department of Health
Environmental Health Administration



An aerial photograph of a coastal area. In the foreground, there is a large body of water with a deep blue hue. A lighter blue bay or inlet is visible, surrounded by green, hilly land. The sky is a pale blue with some wispy clouds. The overall scene is bright and clear.

Environmental Management Division

- Clean Water Branch
- Safe Drinking Water Branch
- Wastewater Branch
- Clean Air Branch
- Solid and Hazardous Waste Branch

Clean Water Branch

- Will the construction of the project disturb one or more acres of land or impact state waters?
- A National Pollutant Discharge Elimination System (NPDES) permit and/or a water quality certification will be required.



Safe Drinking Water Branch

- Water systems that serve 25 people or more or have 15 service connections.
- Underground Injection Control
 - Engineering
 - Monitoring
 - Enforcement
 - Groundwater & Wellhead protection



Wastewater Branch (WWB)

- Review and approve all new wastewater systems
- Monitor all existing wastewater systems
 - About 300 inspections per year
- Water Reuse Guidelines to encourage water reuse
- State Revolving Loan Fund - Loan agreements



Clean Air Branch

- Air permit required for Covered and Non Covered air emission sources (e.g. power plants, refineries, rock crushers)
- Rules restrict open burning on all islands
- Fugitive Dust from construction or farming
- Greenhouse Gas rules to address climate change



Solid & Hazardous Waste Branch

- Solid Waste facility permit (e.g. landfills, recycling centers composting operations)
- Underground Storage Tanks
- Hazardous Waste generators
- HI-5 bottle recycling program
- Electronic Waste recycling



Environmental Health Services

- Indoor & Radiological Health
 - Community Noise - Permits
 - Air Conditioning Ventilation, Asbestos, Lead, & Indoor Air Quality Programs
 - Radiation Control Program
- Food Safety & Vector Control
 - Food Manufacturing
 - medical devices, tattoo and barber shops, swimming pools
 - Sanitation/Restaurant inspection and permitting
 - Vector Control
 - Prevention of dengue and yellow fever

Environmental Enforcement

Fiscal Year 2013

	<i>Inquiries & Complaints</i>	<i>Field Inspections</i>	<i>Warning Notices</i>	Field Citations	Enforcement Cases Issued	Enforcement Cases Pending	Penalties Sought	Formal Cases Resolved	Funds Received
	<i>Informal</i>								
Clean Air Branch	715	1,952	97	6	25	42	\$108,600	19	\$176,700
Solid & Hazardous Waste Branch	3,088	827	140	27	12	63	\$351,455	175	\$464,400
Clean Water Branch	203	136	9	2	3	7	\$50,586	2	\$0
Wastewater Branch	161	308	52	39	0	11	\$0	3	\$10,450
Safe Drinking Water Branch	1,173	74	13	0	0	0	\$0	0	\$0
Hazard Evaluation & Emergency Response	0	14	38	3	0	0	\$7,099	0	\$7,099
Indoor & Radiological Health Branch	468	1,172	136	2	7	12	\$53,000	4	\$12,133
Sanitation Branch	2,102	10,906	53	10,344	0	2	\$90,000	0	\$0
Environmental Health	7,910	15,389	538	10,423	47	137	\$660,740	203	\$670,782



Mahalo!





Department of Health's e-Permitting Portal

Presented by:

Andy Matsumoto

Environmental Health Administration

Department of Health

October 15, 2013



Hawaii State Department of Health
Environmental Health Administration





Electronic Permit Applications

- **Have been a priority for over a decade**
- **Identified permitting requirements from program staff**
 - **Easy to use**
 - **Informative**
 - **Consistent look & feel**
 - **Online application submission & payment**
 - **Application status tracking**
 - **Ability to create/maintain forms & workflows**
- **Developed/Implemented e-Permitting Portal**



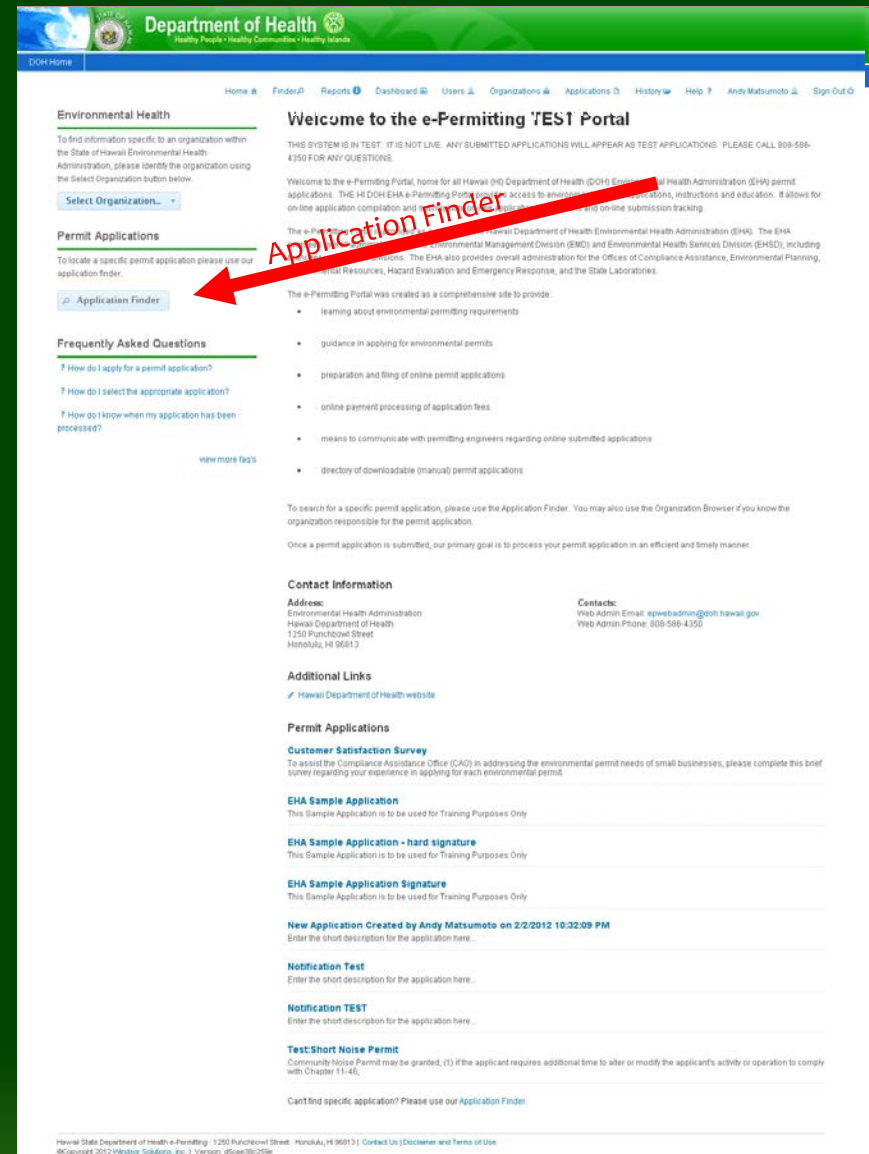
Hawaii State Department of Health
Environmental Health Administration



e-Permitting Portal

What is it?

- Internet-based application
- One-stop shop for DOH / EHA permit applications
- Online application submission and payment
- Application tracking by applicant and DOH/DBEDT
- Submission History for streamlined permit modification and renewals
- Easy to use and informative



Department of Health
Healthy People • Healthy Communities • Healthy Islands

DOH Home

Home • **Finder** • Reports • Dashboard • Users • Organizations • Applications • History • Help • Andy Matsumoto • Sign Out

Environmental Health

To find information specific to an organization within the State of Hawaii Environmental Health Administration, please identify the organization using the Select Organization button below.

Select Organization...

Permit Applications

To locate a specific permit application please use our application finder.

Application Finder

Frequently Asked Questions

- ? How do I apply for a permit application?
- ? How do I select the appropriate application?
- ? How do I know when my application has been processed?

[view more FAQs](#)

Welcome to the e-Permitting 'TEST' Portal

THIS SYSTEM IS IN TEST. IT IS NOT LIVE. ANY SUBMITTED APPLICATIONS WILL APPEAR AS TEST APPLICATIONS. PLEASE CALL 808-586-4350 FOR ANY QUESTIONS.

Welcome to the e-Permitting Portal, home for all Hawaii (HI) Department of Health (DOH) Environmental Health Administration (EHA) permit applications. THE HI DOH EHA e-Permitting Portal provides access to environmental permit applications, instructions and education. It allows for on-line application completion and payment, and on-line submission tracking.

The e-Permitting Portal is managed by the Hawaii Department of Health Environmental Health Administration (EHA). The EHA is a division of the Hawaii Department of Health (DOH) and is responsible for the regulation and enforcement of environmental health laws. The EHA also provides overall administration for the Offices of Compliance Assistance, Environmental Planning, Environmental Resources, Hazard Evaluation and Emergency Response, and the State Laboratories.

The e-Permitting Portal was created as a comprehensive site to provide:

- learning about environmental permitting requirements
- guidance in applying for environmental permits
- preparation and filing of online permit applications
- online permit processing of application fees
- means to communicate with permitting engineers regarding online submitted applications
- directory of downloadable (manual) permit applications

To search for a specific permit application, please use the Application Finder. You may also use the Organization Browser if you know the organization responsible for the permit application.

Once a permit application is submitted, our primary goal is to process your permit application in an efficient and timely manner.

Contact Information

Address:
Environmental Health Administration
Hawaii Department of Health
1250 Punchbowl Street
Honolulu, HI 96813

Contact:
Web Admin Email: epwebadmin@doh.hawaii.gov
Web Admin Phone: 808-586-4350

Additional Links

[Hawaii Department of Health website](#)

Permit Applications

Customer Satisfaction Survey

To assist the Compliance Assistance Office (CAO) in addressing the environmental permit needs of small businesses, please complete this brief survey regarding your experience in applying for each environmental permit.

EHA Sample Application

This Sample Application is to be used for Training Purposes Only

EHA Sample Application - hard signature

This Sample Application is to be used for Training Purposes Only

EHA Sample Application Signature

This Sample Application is to be used for Training Purposes Only

New Application Created by Andy Matsumoto on 2/2/2012 10:32:09 PM
Enter the short description for the application here...

Notification Test
Enter the short description for the application here...

Notification TEST
Enter the short description for the application here...

Test:Short Noise Permit
Community Noise Permit may be granted, (1) if the applicant requires additional time to alter or modify the applicant's activity or operation to comply with Chapter 11-46.

Can't find specific application? Please use our Application Finder.

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Hawaii State Department of Health
Environmental Health Administration



e-Permitting Portal Application Finder

- Easy way to find / search for application forms / information
- Get smarter from every search performed

Search results found
for Applications
containing "NPDES".

Department of Health
Healthy People • Healthy Communities • Healthy Islands

DOH Home

Home • Finders • Help • Sign In • Register

Help

Use this page to identify the permit applications which may be most appropriate for your needs.

If you know the permit application you are looking for, enter the name of the permit application in the Application Search area.

If you are not sure which permit application(s) you need, describe the activity you are looking for in the Application Search area and the system will recommend the permit applications needed.

Once permit application(s) are identified, click on the name of the permit application to view the details of that application and to initiate the application submission process.

Organization Browser

To find information specific to an organization within the State of Hawaii Environmental Health Administration, please identify the organization using the Select Organization button below.

Select Organization...

Application Search

Looking for a permit application? Please enter the name of the permit application.

Don't know the name of the permit application? Not sure what you need? Tell us about the type of activity you need to do, and we will recommend the application which may need to be submitted.

npdes

Recommended Applications

Based on your description, the following 22 applications may match your needs.

- CWB-NPDES Individual Form C**
This NPDES Individual Form C is for the discharge of storm water to Class AA, Marine or Class 1, inland waters from construction activities.
- CWB - Signatory and Certification Statement to NPDES Permit Applications**
This NPDES Signatory and Certification Statement is to be submitted with all NPDES Permit Applications.
- 2012 Renewal Notice of Intent Form**
Use this NOI form to renew coverage under the NPDES General Permits (WRF 11-55, Appendices B through L).
- CWB-ZOM**
Zone of Mixing Form
- CWB NOI General Form**
This CWB NOI General Form is required for off-line submissions only and includes general information about the project or activity.
- CWB SSCBMP Plan**
This form is required for coverage under Appendix C for the discharge of storm water associated with construction activities.
- Section 401 WQC**
Section 401 Water Quality Certification Form
- CWB NOI Form G**
This Notice of Intent is for coverage under Appendix G authorizing discharges associated with construction activity dewatering.
- CWB NOI Form B**
This Notice of Intent is for coverage under Appendix B for the discharge of storm water associated with industrial activities.
- CWB NOI Form K**
This Notice of Intent is for coverage under Appendix K for the discharge of stormwater from small municipal separate storm sewer systems.
- CWB NOI Form F**
This Notice of Intent is for coverage under Appendix F authorizing discharges of hydrotesting waters.
- CWB NOI Form I**
This Notice of Intent is for coverage under Appendix I for the discharge of treated process wastewater associated with well drilling activities.
- CWB NOI Form L**
This Notice of Intent is for coverage under Appendix L for the discharge of circulation water from decorative ponds or tanks.
- CWB NOI Form J**
This Notice of Intent is for coverage under Appendix B for the General Permit Coverage Authorizing Occasional or Unintentional Discharges from Recycled Water Systems.
- CWB "No Exposure" Certification Form**
This "No Exposure" Certification form applies to Industrial Activities as defined in 40CFR122.26(b)(14), excluding construction activities (i.e. 40CFR122.26(b)(14)(ii)).
- CWB NOI Form E**
This Notice of Intent is for coverage under Appendix E for the discharge of once through cooling water less than one (1) million gallons per day.
- CWB NOI Form H**
This Notice of Intent is for coverage under Appendix H for the discharge of treated process wastewater associated with petroleum bulk stations and terminals.
- CWB NOI Form D**
This Notice of Intent is for coverage under Appendix D for the discharge of treated effluent from leaking underground storage tank remedial activities.
- DMR**
Discharge Monitoring Report Form
- Request to Access a Government Record Form**
Request to Access a Government Record Form
- CWB Notice of Cessation**
This Notice of Cessation form is to notify the Department that the activity and/or discharge has ceased.
- Solid Waste Disclosure Form**
Solid Waste Disclosure Form

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Hawaii State Department of Health
Environmental Health Administration



e-Permitting Portal Application Forms

- Custom-designed for each permit application by permitting staff
- Guided process through entire application (drop-downs, geospatial map, mouse-over, Help, FAQs)
- Improved data accuracy and completeness
- Ability to save partially completed form at any time
- Application history for easier renewal submissions
- Flexible and easy to create and modify application forms and workflow processes by permitting staff

Home Finder Reports Dashboard Users Organizations Applications History Help Andy Matsumoto Sign Out

Steps: **Entry** > Processing Info > Review > Certify & Submit > Payment > Confirmation

Data Entry

This step allows you to fill out the application form and to validate the information provided. The application form is divided into separate application sections as listed on the left. Please fill out each relevant section.

The indicators next to the sections names on the left will denote validity of each section. A red x indicates the section has an omission or invalid value. A yellow star indicates that the section has not yet been visited. A green check indicates a complete section.

Once the application is complete and all sections show a green check, click on the "Next Step" button to proceed.

Please note that this application is not be visible available to the HI DOH until you have completed the Certify and Submit step for this application.

Application Sections

- ✓ Applicant
- ✓ Permit Type
- ✓ Location
- ✓ Activity
- ✓ Equipment
- ✓ Duration

Community Noise Permit

(Submission Id: 15N-5D79-CGTR, v1)

This Section shall include the company or individual's name , mailing address and telephone number. In addition, the authorized individual and title shall be included. The authorized individual shall be responsible for the Community Noise Permit and shall be responsible to all permit matters. The authorized individual shall sign the certification section of the permit application.

Name

Authorized Individual *
Joe Aloha

Title:
President and CEO

Company Name
ABCDEFGH Construction

Phone Number (e.g., 555-555-5555) *
808-999-9999

Mailing address

Street Address:
919 Ala Moana Blvd, Room 312

City:
Honolulu

Postal Code:
96814

State/Province/Region:
Hawaii

Country:
United States

Application Information

Application Step Indicator

Steps: **Entry** > Processing Info > Review > Certify & Submit > Payment > Confirmation

Save for Later Next Section

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Hawaii State Department of Health
Environmental Health Administration



e-Permitting Portal

Application Submission

- Applications can be assigned to current priorities
- Highlight Clean Energy Projects
- Ability to track application status

Navigating the Permit Process | October 15, 2013

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The screenshot displays the 'Community Noise Permit' application submission page. At the top, the header includes the Department of Health logo and navigation links. The main content area shows the 'Processing Information' section with a 'Steps' bar indicating the current stage is 'Processing Info'. Below this, the 'Community Noise Permit' title is followed by the submission ID '15N-5D79-CGTR, v1'. The user is prompted to specify reasons for the submission and select applicable project types. A red arrow labeled 'Project Type' points to the 'Renewable Energy' option in the project type selection list. The page also includes a 'Save for Later' button and 'Previous Step'/'Next Step' navigation buttons.

Department of Health
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DOH Home

Home Finder Reports Dashboard Users Organizations Applications History Help Andy Matsumoto Sign Out

Steps: Entry > **Processing Info** > Review > Certify & Submit > Payment > Confirmation

Processing Information

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam mollis nisi in purus scelerisque vel adipiscing ipsum lacinia. Nulla facilisi. Ut vitae uma est. Aliquam ut purus velit. Phasellus augue est porta sed euismod a, pellentesque nec neque. Etiam sed metus orci.

Community Noise Permit
(Submission Id: 15N-5D79-CGTR, v1)

Please specify the reasons for the submission (e.g., new permit, existing permit renewal or permit modification) and specify any applicable project types. If a project type is specified, you will be required to also justify why the project may be eligible for the specified project type.

Select the reason for this submission: *

New

Select the appropriate fee categorization for your application: *

Base Fee

Select applicable project types:

ARRA Project
Green House Gas Emissions Reduction
Renewable Energy
Waste Reduction, Reuse, Recycle

Use the "Ctrl" key to select multiple options

If selected, please provide referential information for your selection:

This project is a part of [...]

Steps: Entry > **Processing Info** > Review > Certify & Submit > Payment > Confirmation

Save for Later Previous Step Next Step

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Hawaii State Department of Health
Environmental Health Administration



e-Permitting Portal Online Payment

- Allow online payment for permit application fees
- Secure & proven payment processor - PayPal
- All credit card / bank account info between customer and PayPal.
- No credit card and bank information kept by DOH.

Permit Application Name & Number

Permit Application Fee Amount

PayPal Information

Your order summary

Descriptions	Amount
Community Noise Permit (Submission)	\$25.00
Item number: b91e960b-ed00-44d6	
Item price: \$25.00	
Quantity: 1	
Item total	\$25.00
Total	\$25.00 USD

Choose a way to pay
PayPal securely processes payments for Kevin Lyons's Test Store





[Have a PayPal account?](#)
Log in to your account to pay

Create a PayPal account
And pay with your debit or credit card

[Learn more about PayPal](#) - the faster, safer way to pay.

Country:

Credit card number:

Payment Types:    

Expiration date: mm / yy /

CSC:

What is this? [What is this?](#)

First name:

Last name:

Address line 1:

Address line 2 (optional):

City/State:

ZIP code:

Telephone: 555-555-1234

Email:

Choose a PayPal password: 8 characters minimum

Re-enter password:

By clicking the button below, I agree to the PayPal [User Agreement](#) and [Privacy Policy](#).

Payments processed by **PayPal**

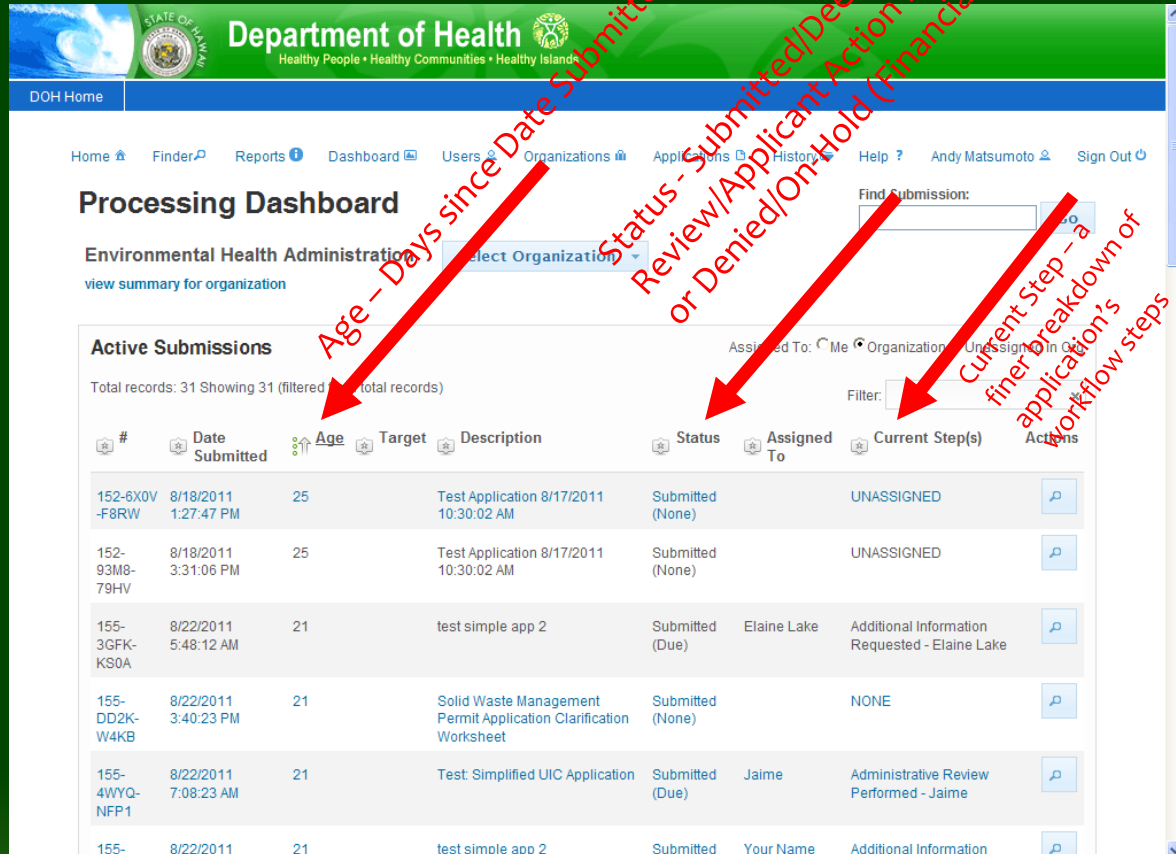


Hawaii State Department of Health
Environmental Health Administration



e-Permitting Portal Management Review Dashboard

- Improved visibility of outstanding permit actions
- Better permit processing timeliness metrics
- Can effectively manage workload and priorities



Department of Health
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DOH Home

Home | Finder | Reports | Dashboard | Users | Organizations | Applications | History | Help | Andy Matsumoto | Sign Out

Processing Dashboard

Environmental Health Administration | Select Organization | view summary for organization

Find Submission: [Search Box]

Assigned To: Me | Organization | Unassigned In Org

Filter: [Filter Box]

Active Submissions

Total records: 31 Showing 31 (filtered) total records

#	Date Submitted	Age	Target	Description	Status	Assigned To	Current Step(s)	Actions
152-6X0V-F8RW	8/18/2011 1:27:47 PM	25		Test Application 8/17/2011 10:30:02 AM	Submitted (None)		UNASSIGNED	[Icon]
152-93M8-79HV	8/18/2011 3:31:06 PM	25		Test Application 8/17/2011 10:30:02 AM	Submitted (None)		UNASSIGNED	[Icon]
155-3GFK-KS0A	8/22/2011 5:48:12 AM	21		test simple app 2	Submitted (Due)	Elaine Lake	Additional Information Requested - Elaine Lake	[Icon]
155-DD2K-W4KB	8/22/2011 3:40:23 PM	21		Solid Waste Management Permit Application Clarification Worksheet	Submitted (None)		NONE	[Icon]
155-4WYQ-NFP1	8/22/2011 7:08:23 AM	21		Test Simplified UIC Application	Submitted (Due)	Jaime	Administrative Review Performed - Jaime	[Icon]
155-	8/22/2011	21		test simple app 2	Submitted	Your Name	Additional Information	[Icon]

Hawaii State Department of Health
Environmental Health Administration



Benefits

Efficiencies

- Reduced back-and-forth with applicant
- Allows notes for efficient communication
- DOH able to quickly compare submitted application versions

Transparency

- Applicant has ability to track submitted application
- Ability to provide automatic email notifications to applicant of completed application's milestone.

Resources

- New and modified application forms & workflow processes are customized by in-house program staff.
- Submission history allows the applicant to submit permit renewals easier and faster.





e-Permitting Portal

Accessing the e-Permitting Portal:

<https://eha-cloud.doh.hawaii.gov/>

- or -

DOH Home Page (What's New):

<http://hawaii.gov/health>



Hawaii State Department of Health
Environmental Health Administration





Contact Information

Andy Matsumoto, Environmental Information Manager, EHA

Email: andy.matsumoto@doh.hawaii.gov

Phone: (808) 586-4641

Funding Partnership with: **DBEDT - Renewable Energy**

Project Consultant: **Windsor Solutions, Inc.**



Hawaii State Department of Health
Environmental Health Administration





State Permitting, Resources & Tools

**Department of
Business, Economic
Development &
Tourism**



**Rodney Funakoshi, Office of Planning
Robert Hines, Hawaii State Energy Office**



**Bird's-eye View of
DBEDT Agencies with
Regulatory
Authority**



DBEDT

**Office of
Planning**

**Land Use
Commission**

**Hawaii Community
Development
Authority**

Hawaii Film Office

**Hawaii Housing
Finance &
Development
Corporation**



State Land Use Commission

- **Ensure orderly growth of the State by protecting and encouraging the use of lands for long term public benefit.**
- **Land Use District Boundary Amendments, Special Permits, Designation of Important Agricultural Lands**

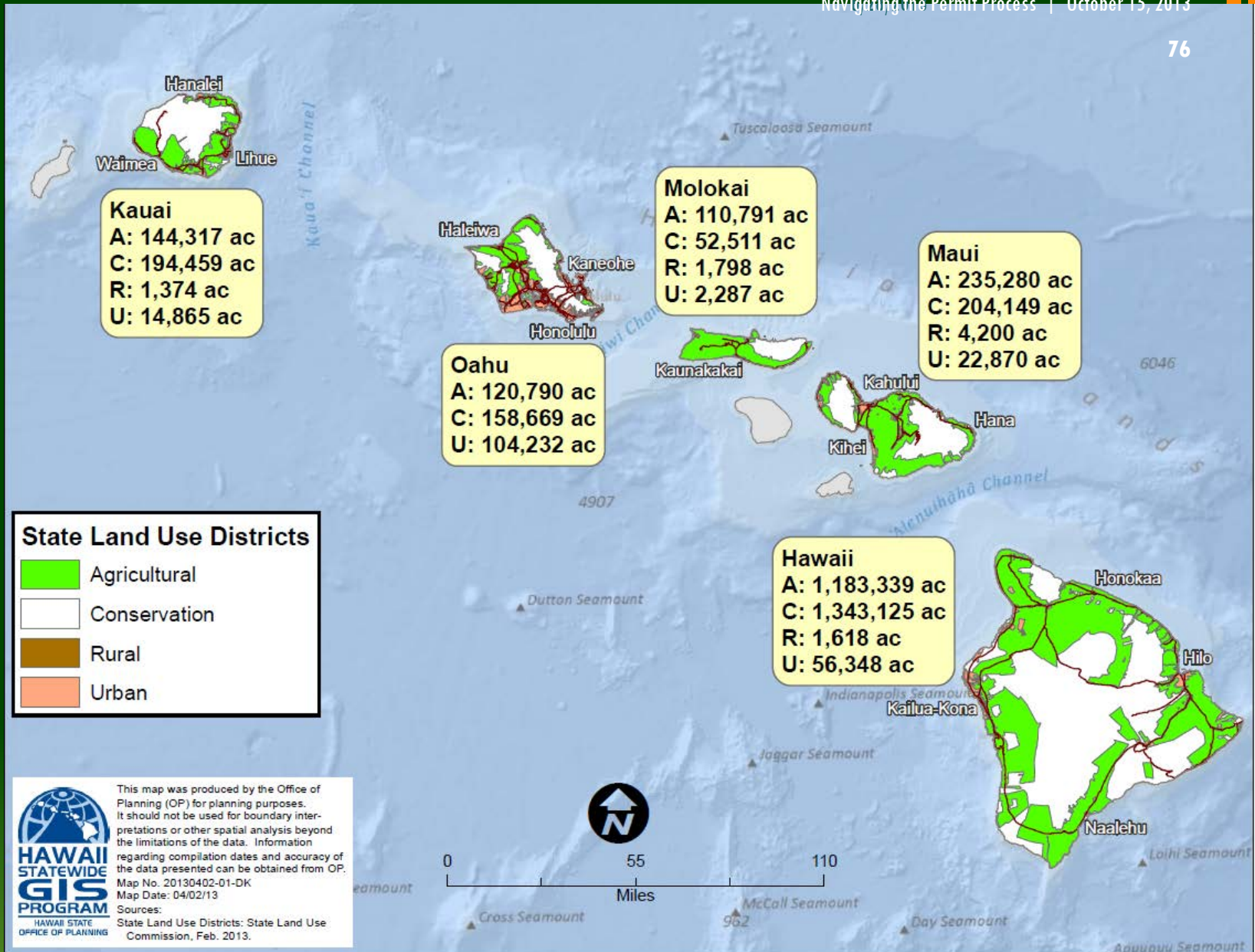
Office of Planning's Role

- **Coordinate and present the State's position in LUC proceedings**

State Land Use Districts (Feb 2013)

Navigating the Permit Process | October 15, 2013

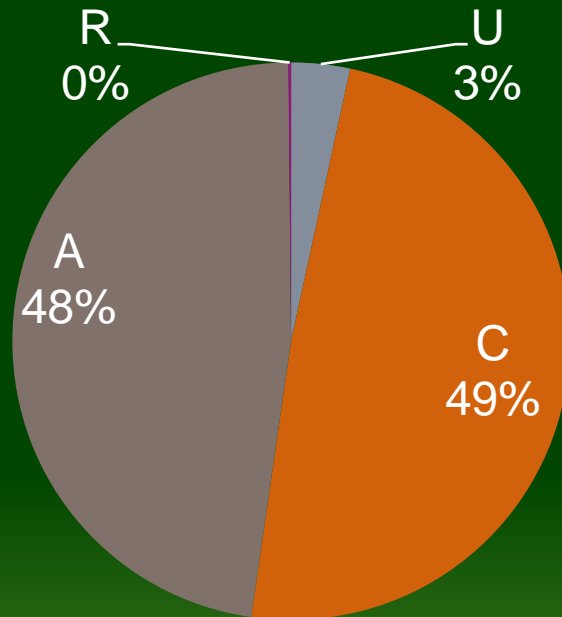
76



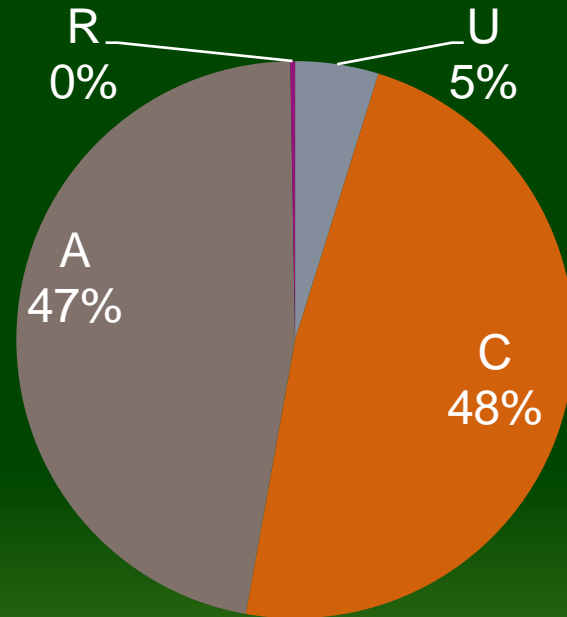


State Land Use Districts

1969



2012



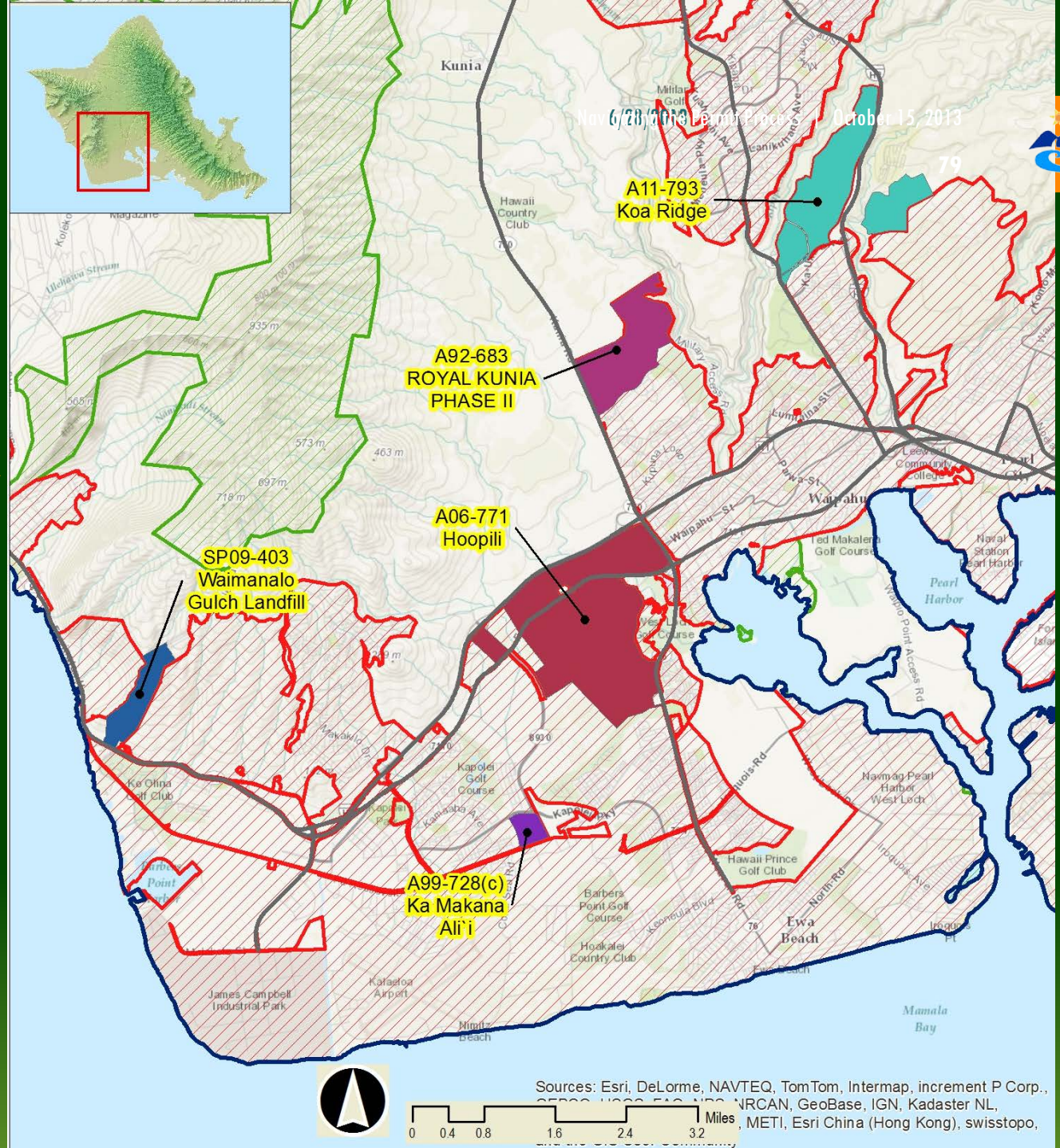
Lands Designated as IAL

(Important Agricultural Lands)

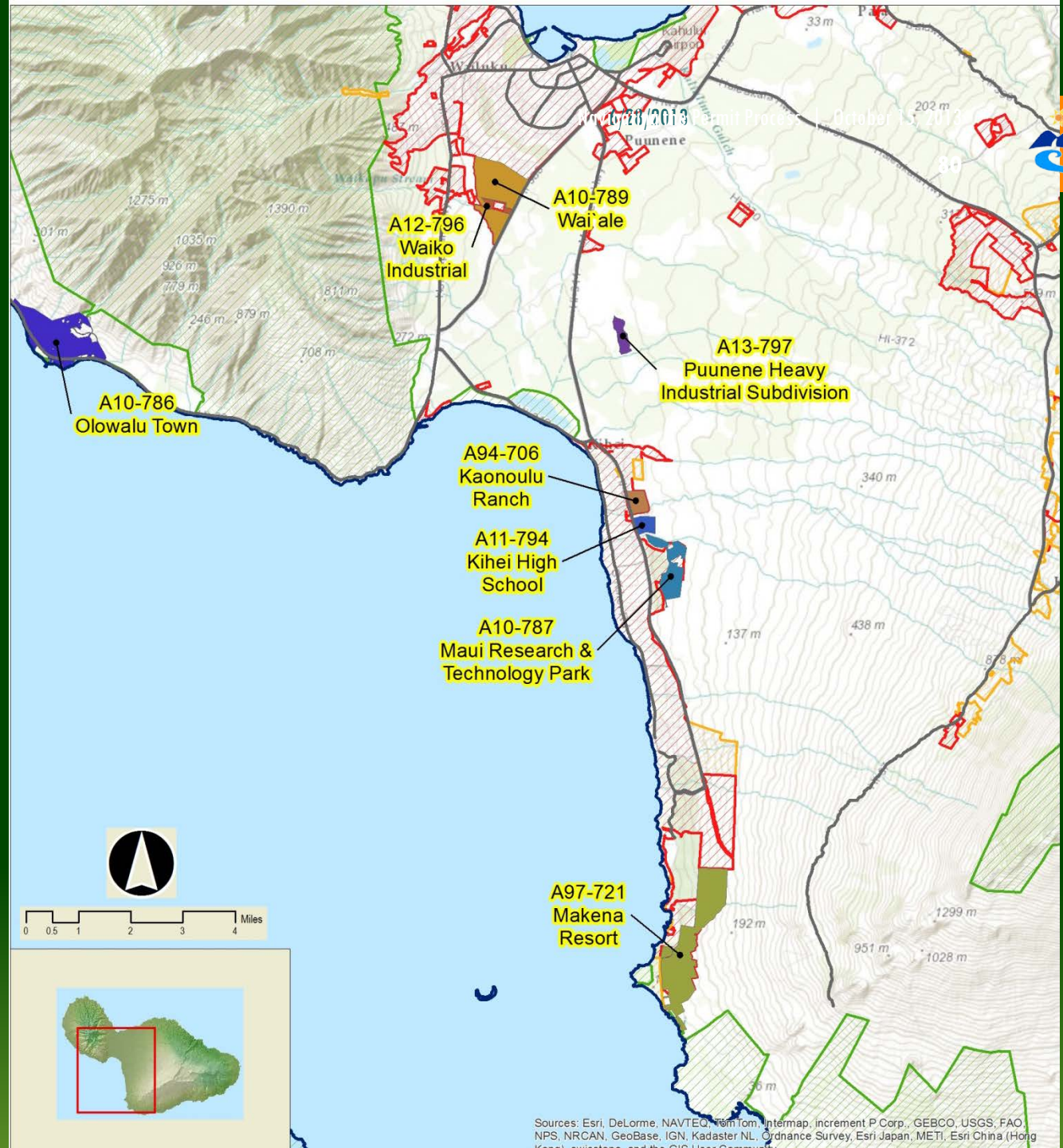


<u>Year</u>	<u>Acres</u>
2009	30,875
2010	--
2011	58,984
2012	--
2013	<u>11,026</u>
Total	100,885

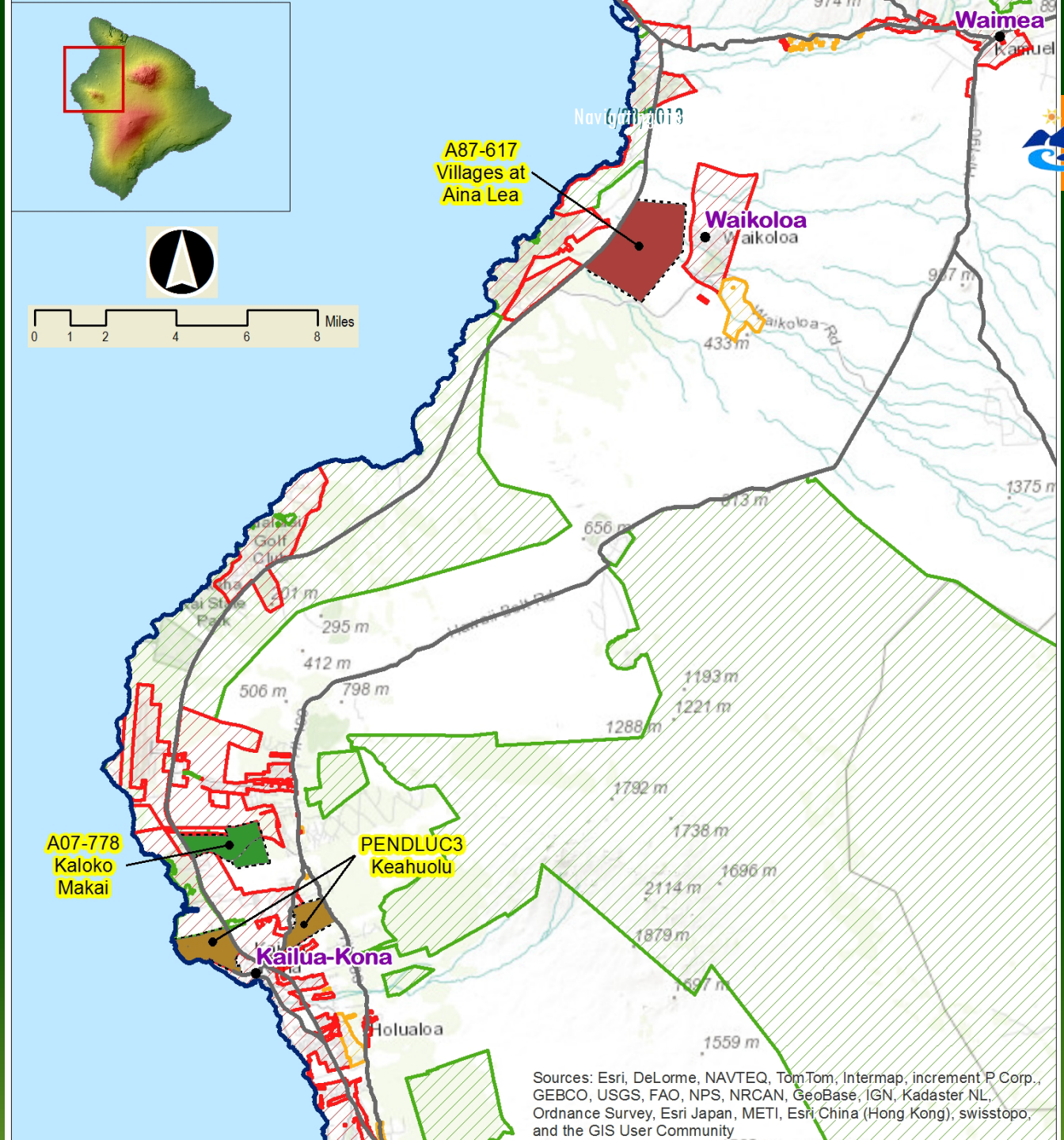
City & County of Honolulu



County of Maui



County of Hawaii



Office of Planning (CZM)

Navigating the Permit Process | October 15, 2013

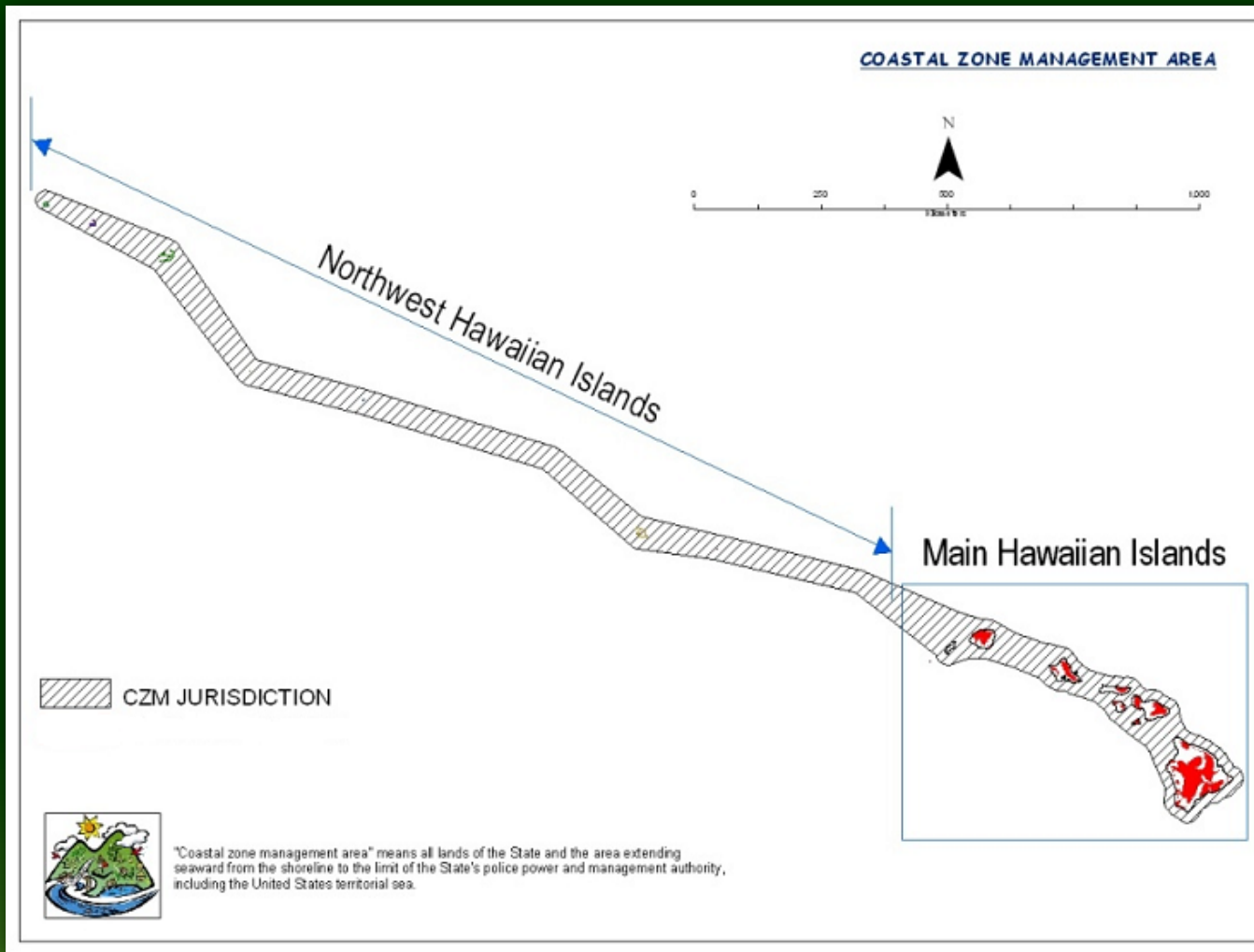
82



- **Federal Consistency review**
- **Special Management Area (SMA) Permit**



Hawaii CZM Area – Entire State



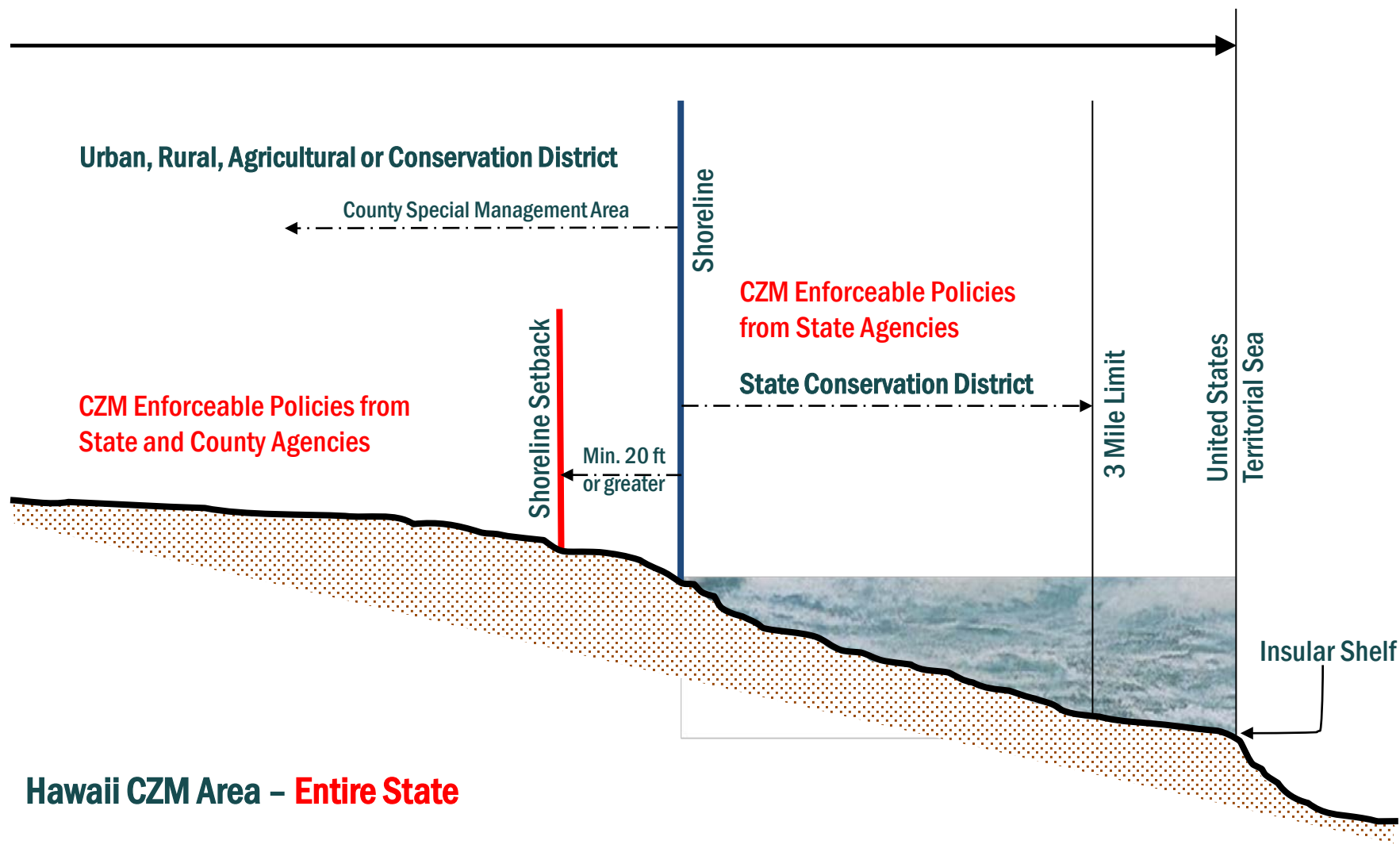
All lands within the State and seaward to the limit of the State's jurisdiction, including the U.S. territorial sea.



Federal Consistency Review

- **Triggers:**
 - **Federal agency activities or development projects**
 - **Federal permit required for activities or projects (e.g. Army Corps of Engineers Permit)**
 - **Federal financial assistance activities**

Office of Planning—SMA Permit



Office of Planning—SMA Permit

Shoreline Setbacks





SMA Major Permit *vs.* SMA Minor Permit



- **Key Factor -- Potential substantial adverse environmental or ecological effect, taking into account cumulative effects**
- **Valuation of Development -- less than \$500,000 – Minor Permit**



Role of Office of Planning (OP) in SMA Permitting

- **Oversee consistency of SMA permit system**
- **Provide CZM/SMA training sessions**
- **Provide SMA permit guidance**
- **Review SMA boundary contractions**
- **Review and approve SMA applications in Hawaii Community Development Authority districts (Kakaako and Kalaeloa)**

Adequate access
to publicly owned beaches, recreation areas
and natural reserves



Solid and liquid waste treatment and management to minimize adverse effects on coastal resources

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Alterations to existing land forms and vegetation shall cause minimum adverse effect to water resources, and scenic & recreational amenities

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Minimizing danger of coastal hazards



Preservation of **historic** and **archaeological** resources

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Hawaii Community Development Authority

***Building Sustainable
Communities***

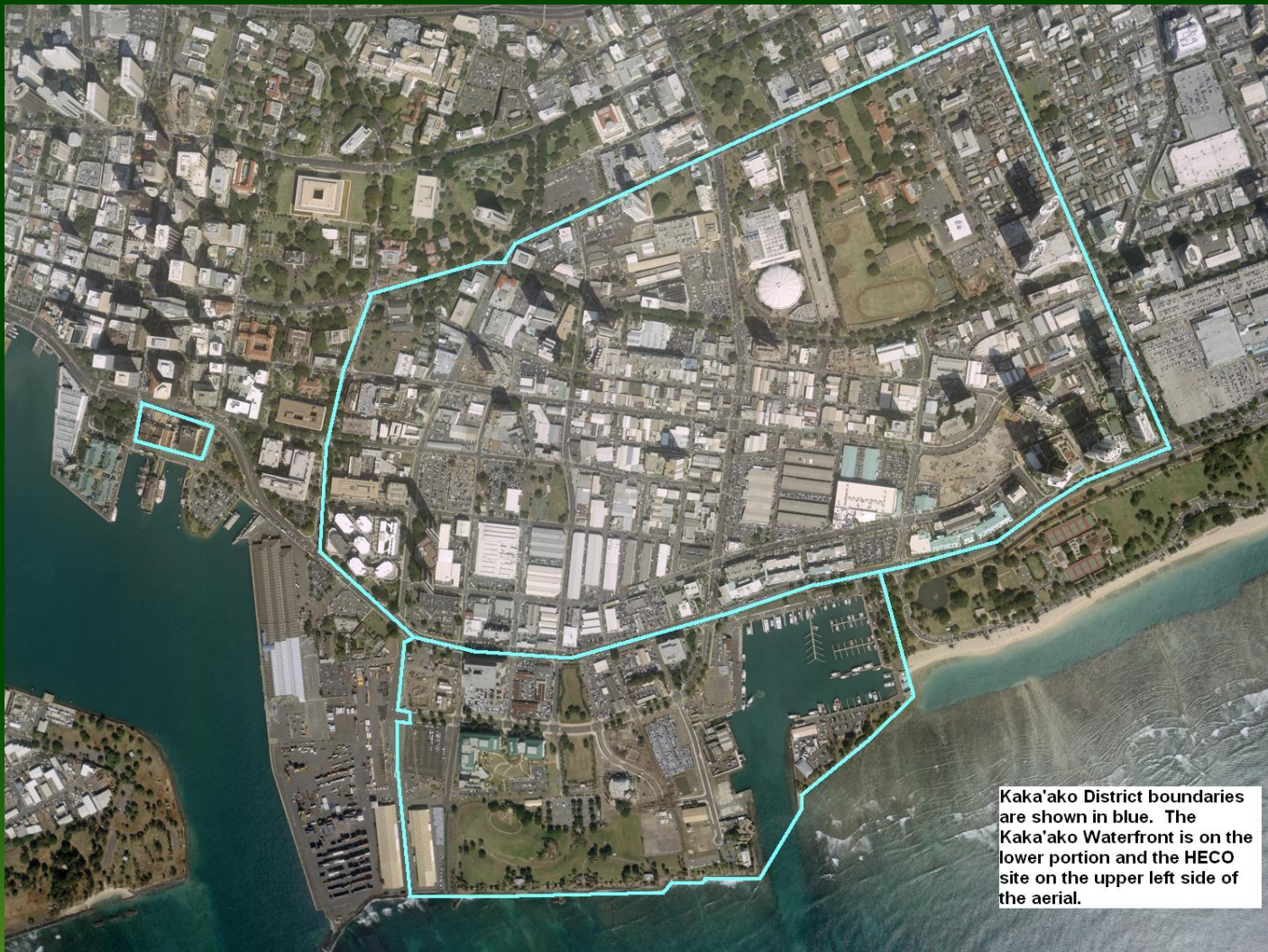
Community Development Districts:

- **Kakaako**
- **Kalaeloa**
- **He'eia**

Kakaako Community Development District (Mauka and Makai)

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95

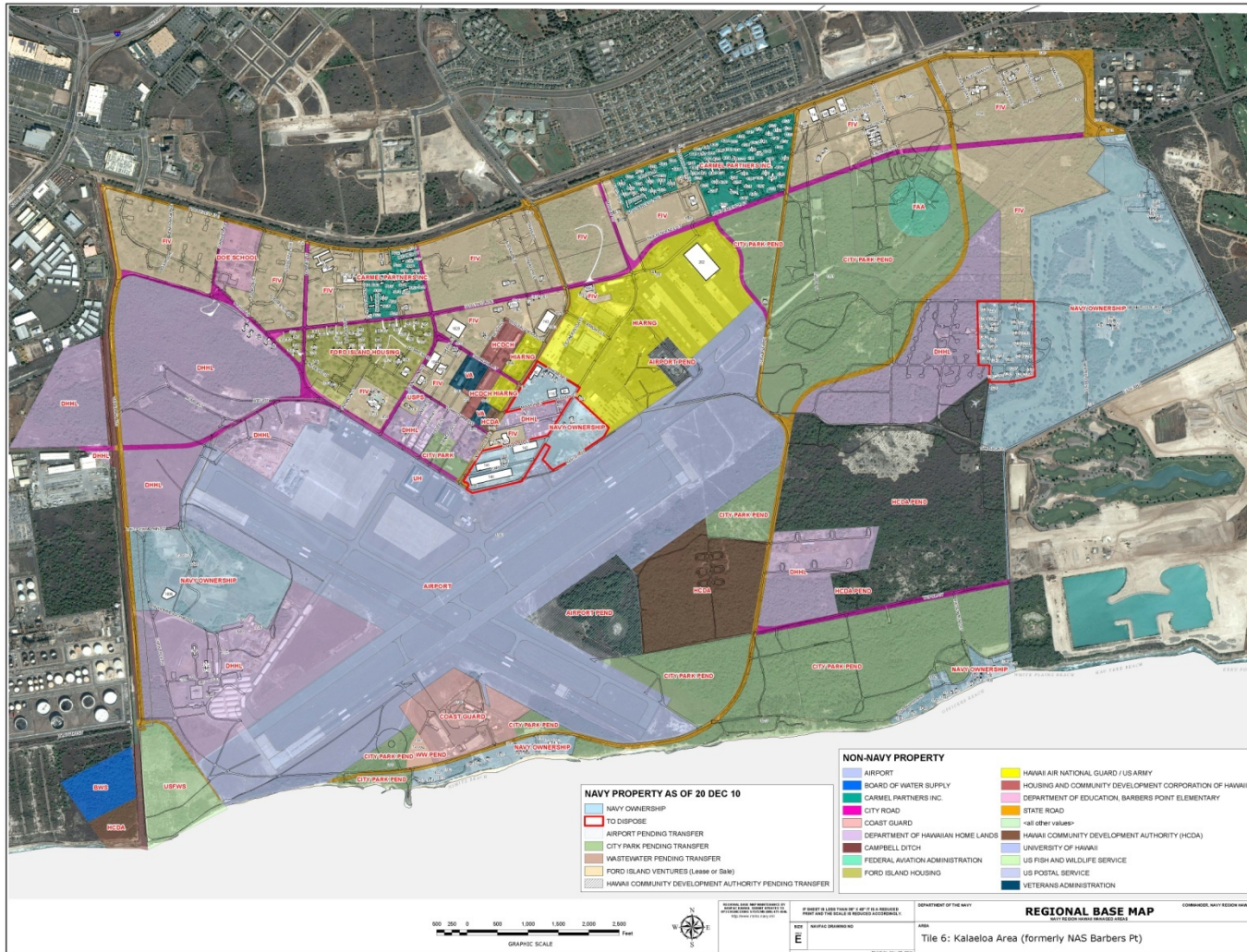


Kaka'ako District boundaries are shown in blue. The Kaka'ako Waterfront is on the lower portion and the HECO site on the upper left side of the aerial.

Kalaeloa Community Development District Former Barber's Point Naval Air Station

Navigating the Permit Process | October 15, 2013

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Development Permits within the Kakaako and Kalaeloa CDD:

- **Developments must comply with Area Plan and Rules**
- **Sustainable, Livable Urban Communities**
 - **Work, live, visit, learn and play**
 - **Plans are developed around Smart Growth concepts**
 - **Pedestrian friendly, human scale, multi-modal, mixed use.**
- **Sustainability Requirements:**
 - **New Projects, additions and existing buildings (w/25% greater floor area) must be LEED certified.**
 - **Applicants may use other green building evaluation system.**



Resources and Tools



Hawaii Statewide GIS Program | Office of Planning - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Hawaii Statewide GIS Program | Office of...

planning.hawaii.gov/gis/

Most Visited Hawaii GIS Portal - Asa... Blogs

hawaii.gov Text size: Smaller | Reset | Larger Stay Connected


State of Hawaii
Office of Planning

search this site Search.USA.gov

Home About OP Programs Regulatory Resources Selected Plans Planner's Toolbox OP Reports

Home > [Hawaii Statewide GIS Program](#)

HAWAII STATEWIDE GIS PROGRAM



Hawaii Statewide GIS Program

What is the GIS Program?

The Office of Planning GIS Program leads a multi-agency effort to establish, promote, and coordinate the use of geographic information systems (GIS) technology among Hawaii State Government agencies. The State Office of Planning is responsible for the planning and coordination of activities that are critical to the State's enterprise GIS. The primary goal of the Statewide GIS Program is to improve overall efficiency and effectiveness in government decision-making.

GIS LINKS

- GIS Data
- Maps, Tools, and Applications
- Other Resources
- GIS REST Services
- HBGN

Hawaii State GIS Website: <http://planning.hawaii.gov/gis>

State GIS Data



Administrative Layers

Agricultural Land Use maps (OP/DOA)
Ahupuaa Boundaries (DLNR)
Census Tract Boundaries (US Census)
Development Plan Boundaries (OP)
Election Precincts (DAGS/LG)
Enterprize Zones (DBEDT)
Government Land Ownership (OP/Counties)
Harbors (DOT)
Hydrographic Units (OP/DLNR)
Judicial Districts (OP)
State Land Use District Boundaries (LUC)
Legislative Districts (DAGS/LG)
Marine Life Conservation Districts (OP/CZM)
National Marine Whale Sanctuary (NOAA)
Parcels (Counties)
Parks (DLNR, Counties)
Reserves (DLNR)
Special Management Areas (OP, CZM)
Water Quality Control Sites (OP/CZM)
Wells (DLNR)

Ocean Layers

Bathymetry (Various)
Bottom Type (NOAA)
Coastal Resources (OP/CZM)
Fish Aggregating Devices (OP/DLNR)
Marine Managed Areas (DLNR)
Ocean Recreation Areas (CZM)
Water Quality Classifications (DOH)

Basemap Layers

Coastlines (OP/USGS)
Coastal Names (OP)
Dams (DLNR)
Elevation Contours (OP/USGS)
Geographic Names (OP/USGS)
Hydrography (OP/USGS)
Public & Private Schools (OP/DOE)
Roads (OP/DOT/Counties)
Trails

Hazard Layers

Flood Hazard Zones (FEMA)
Hurricane Iniki Overwash Areas (OP)
Lava Flow Areas (DBEDT)
Tsunami Wave Heights (OP)
Tsunami Evacuation Zones (PDC)
Volcano Hazard Zones (OP/USGS)
Wildfire Risk Ratings (DLNR)

County Layers

Council Districts
Development Plan Areas
Fire Stations
Neighborhood Board Boundaries
Ohana Zoning
Parcels
Parks
Potable Water Mains
Public Facilities
Roads
Storm Drains
Sewers
Shelters
Zoning

Natural Resource Layers

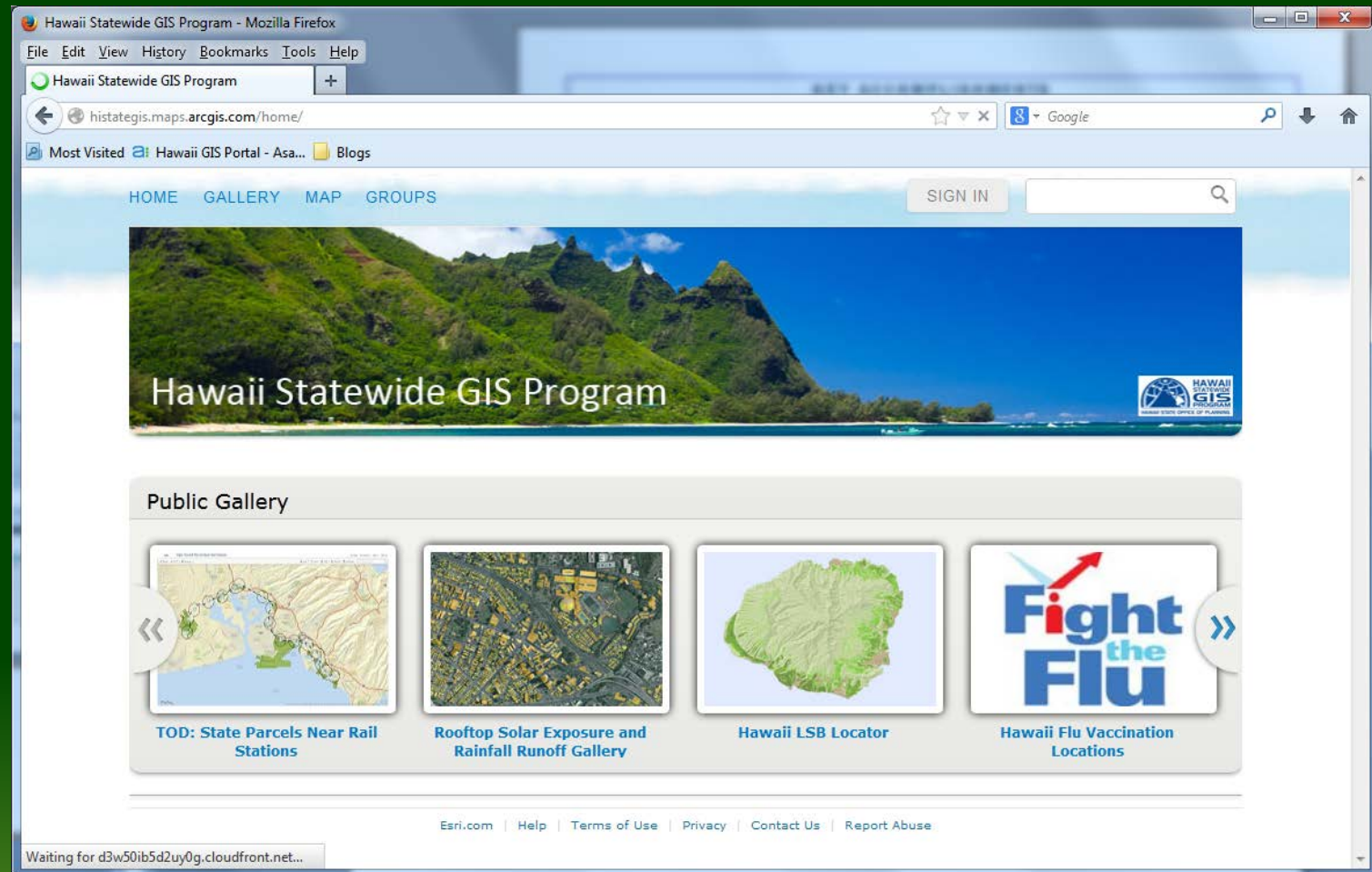
Aquaculture
Aquifers (DLNR/DOH)
Bird Habitat Ranges (OP)
Body Surfing Sites (OP)
Coral Reefs (NOAA)
Critical Habitat (USFWS)
Fish Habitat Areas (DLNR)
Fishponds (DLNR)
Former Sugar Cane Lands (OP)
Former Pineapple Lands (OP)
Geothermal Resource Areas (DBEDT)
Important Agricultural Lands (OP/DOA)
Land Study Bureau Lands (OP/DOA)
Perennial Streams (OP/DLNR)
Rainfall (UH-Geography)
Rain Gages (UH-Geography)
Rare and Endangered Species (TNC)
Soils (NRCS)
Solar Radiation (OP/DBEDT)
Threatened and Endangered Plants (OP/DLNR)
Vegetation (USGS)
Watersheds (OP)
Wetlands (NWI)
Wind Energy Resources (DBEDT)

Other Data Available on State GIS

Digital Elevation Models (USGS)
Digital Raster Graphics (USGS)
IfSAR Elevation Data (NOAA)
Various aerial photography (Various)
WorldView2 Satellite Imagery (OP/USGS)



ArcGIS Online site for delivering content – web maps, web apps, data



<http://histategis.maps.arcgis.com/home/index.html>

Ready to use maps

Various Maps | Office of Planning - Mozilla Firefox

File Edit View History Bookmarks Tools Help

Hawaii Statewide GIS Program Various Maps | Office of Planning

planning.hawaii.gov/gis/various-maps/

Most Visited Hawaii GIS Portal - Asa... Blogs

OTHER MAPS

Agricultural Lands of Importance to the State of Hawaii (ALISH):

- State of Hawaii - [large map \(1.6 MB\)](#) | [small map \(336 KB\)](#)
- Island of Hawaii - [large map \(4.7 MB\)](#) | [small map \(300 KB\)](#)
- Island of Kauai - [large map \(5.2 MB\)](#) | [small map \(587 KB\)](#)
- Island of Maui - [large map \(2.3 MB\)](#) | [small map \(451 KB\)](#)
- Islands of Molokai and Lanai - [large map \(1.9 MB\)](#) | [small map \(279 KB\)](#)
- Island of Oahu - [large map \(3.6 MB\)](#) | [small map \(406 KB\)](#)

Agricultural Land Use Maps (ALUM):

- [Hawaii](#)
- [Kauai](#)
- [Maui](#)
- [Molokai-Lanai](#)
- [Oahu](#)

ALISH within State Owned Agricultural Lands:

- [Kauai](#) | [Oahu](#) | [Molokai](#) | [Maui](#) | [Hawaii](#)

Critical Habitat, Proposed (2012):

- [Island of Hawaii](#)

Enterprise Zone Maps:

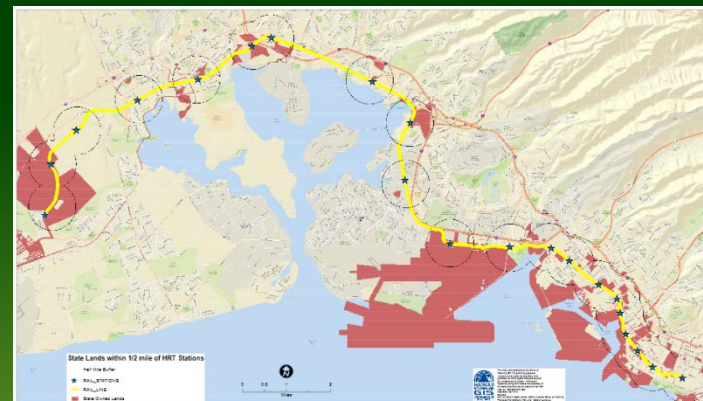
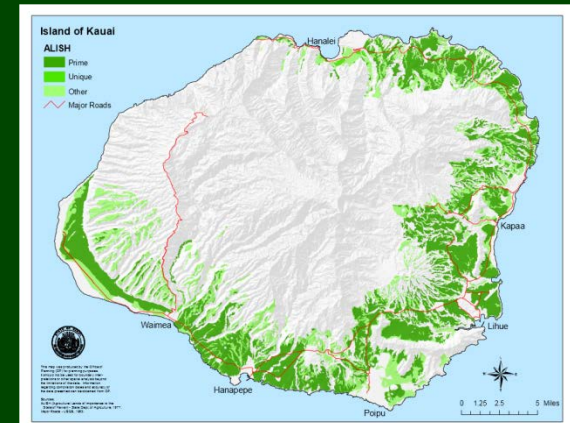
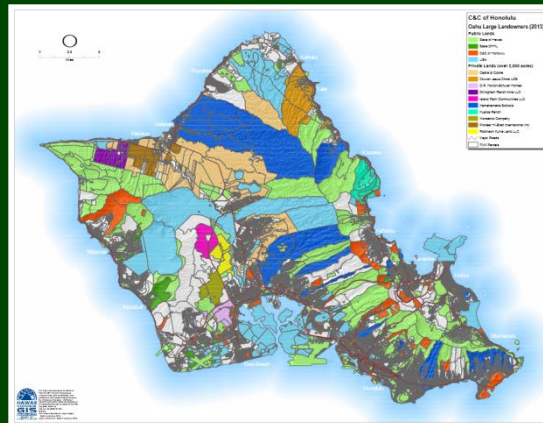
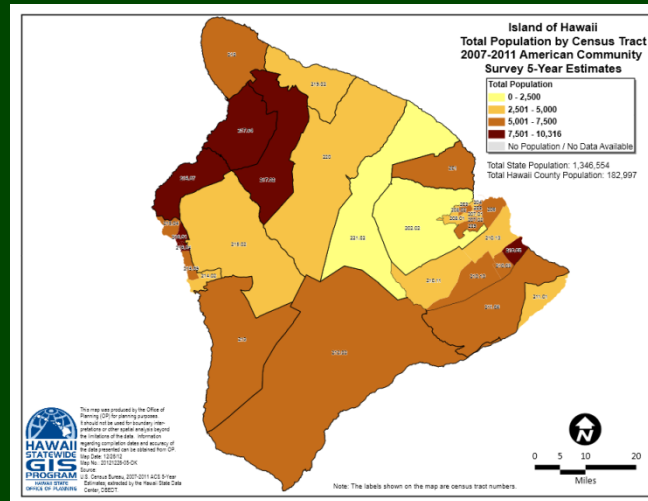
- [PDF](#)

Geothermal Maps (By GeothermEx, Inc.):

- [Geothermal Resource Areas](#)
- [Areas with Potential for Warm Ground Water](#)

Hawaii Agriculture Conference Maps (2012):

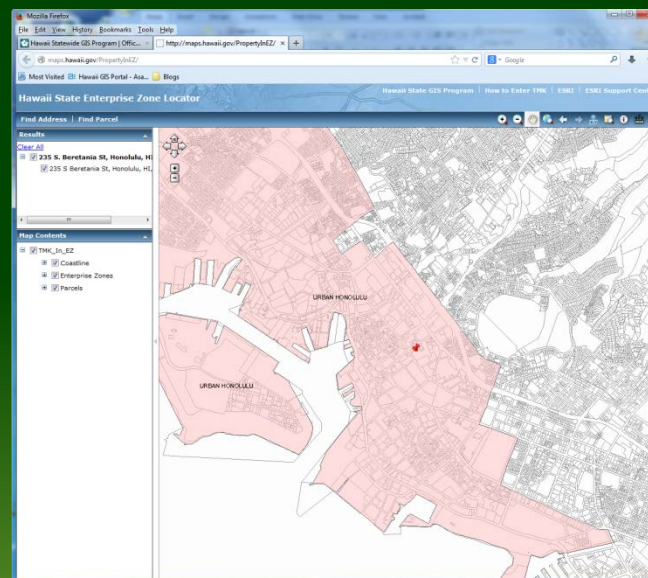
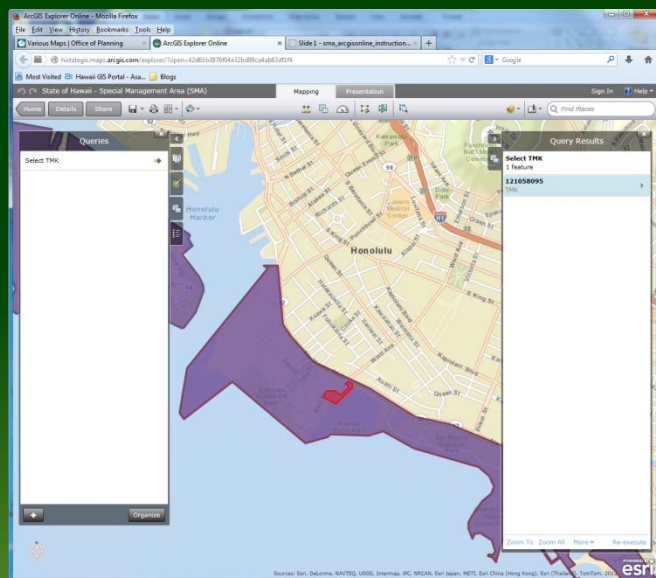
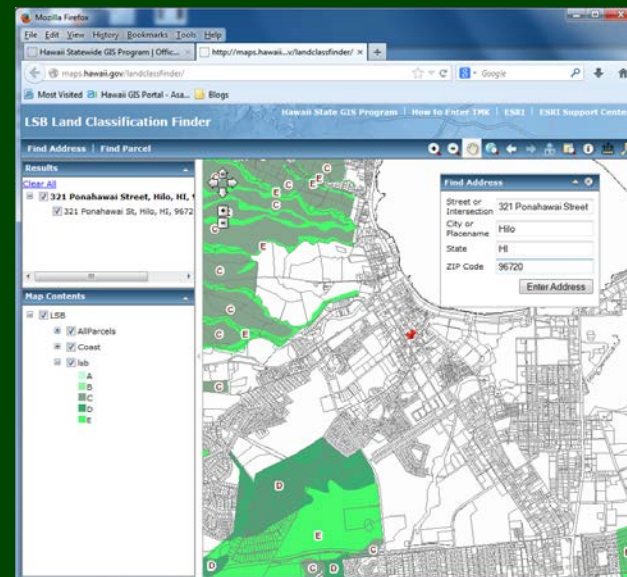
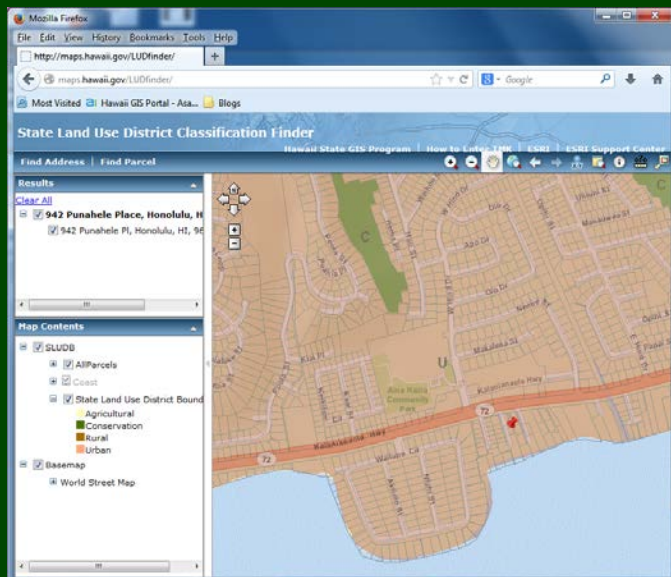
- [State Land Use District Map](#) (updated 2013)
- [ALISH Map](#)
- [IAL \(Important Ag. Lands\) Map](#) (updated 2013)



Locator Applications – State Land Use Districts, LSB Soils , SMA, EZ

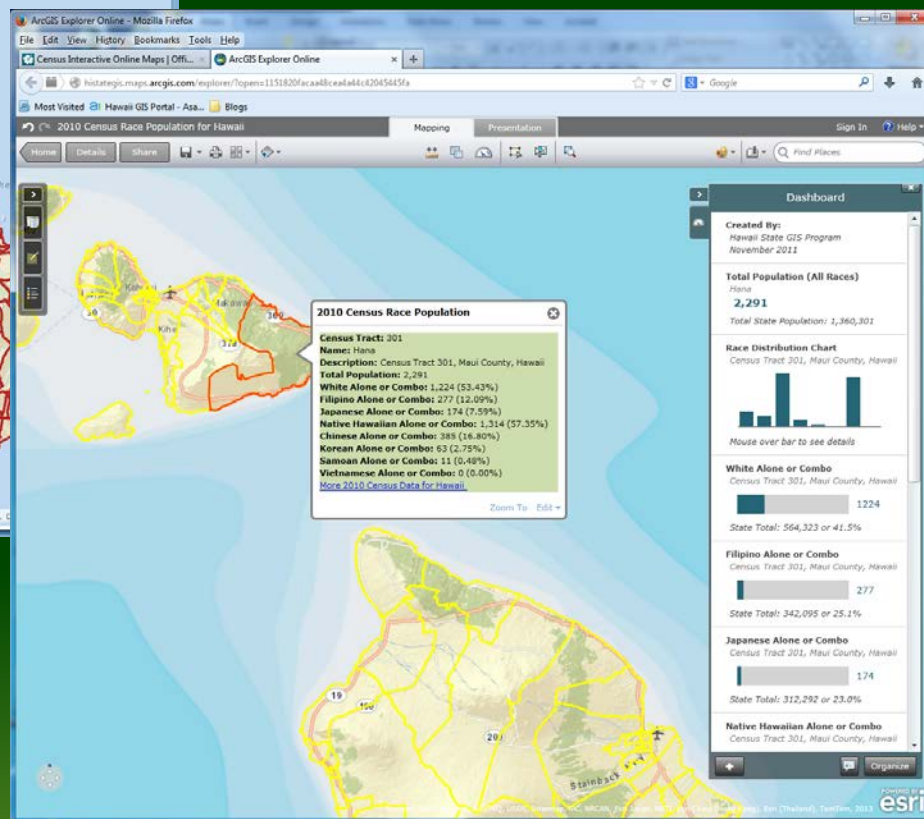
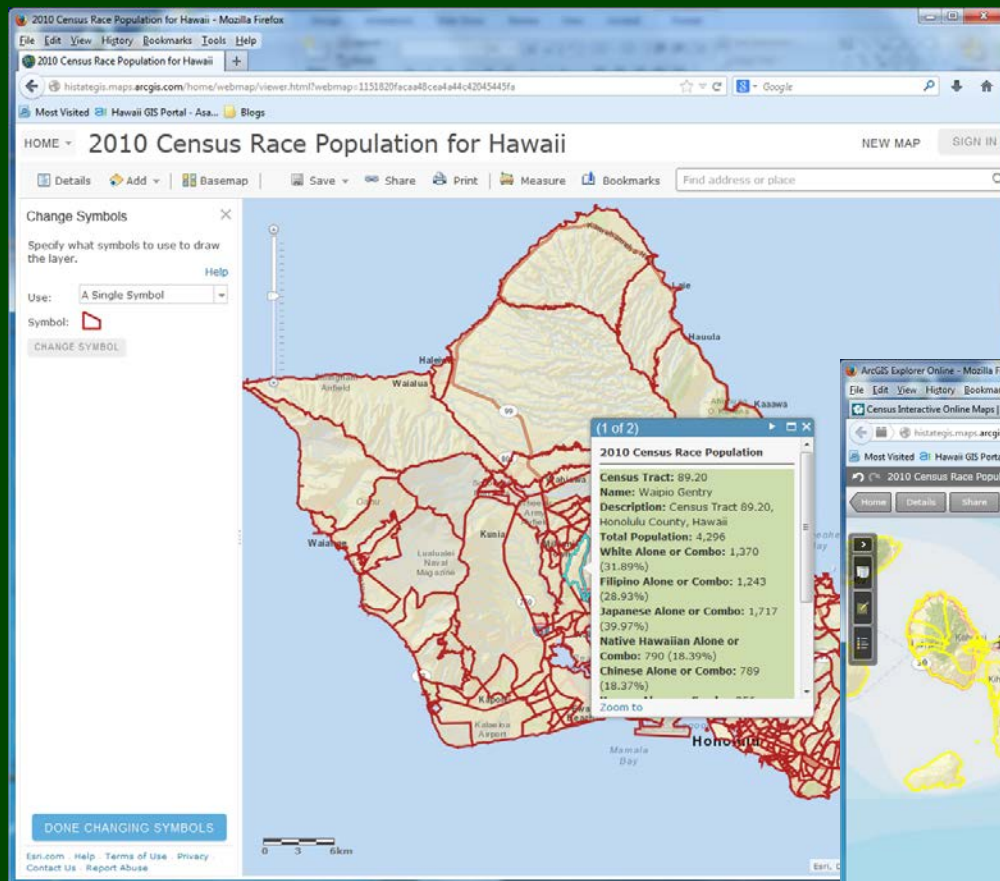


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Demographic Profile Applications

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OP Website Planner's Toolbox

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State of Hawaii
Office of Planning

Search [USA.gov](#)

Home About OP Programs Regulatory Resources Selected Plans **Planner's Toolbox**

OP Reports

2013 Ocean Resources Management Plan

OCEAN RESOURCES MANAGEMENT PLAN
[Read More](#)

The State of Hawaii, Office of Planning, gathers, analyzes, and provides information to the Gov assist in the overall analysis and formulation of state policies and strategies.

The purpose of the Office is to (1) provide central direction and cohesion in the allocation of res and effectuation of state activities and programs, and (2) effectively address current or emergin and opportunities.

The Office works closely with local, state, and federal government agencies; the University of H and various community stakeholders to achieve these objectives.

The Office is divided into the **Land Use Division** and Planning Division. The Planning Division the **Coastal Zone Management Program**, **Special Plans Branch**, and the **Geographic Inform Program**

Adapting to Climate Change

Brownfields Revolving Loan Fund

Coastal Hazards

Cumulative & Secondary Impact (CSI): Stormwater Impact Assessment

GIS Data, Maps, Tools, Apps

Low Impact Development

Rural Economic Development

Rural Policy and Best Practices Project

Transit-Oriented Development

Planner's
Toolbox



Tools & Resources for Green Energy Development in Hawaii

**October 15, 2013
Honolulu, Hawaii**

Bob Hines

Hawaii State Energy Office

Department of Business, Economic Development & Tourism





Hawaii State Energy Office

Our Mission:

- **Help Renewable Energy Projects Get Built**
- **Balance Economic, Technical, Environmental & Cultural Considerations**
- **Provide the Tools & Resources to Assist Stakeholders Navigate the Regulatory Processes**



Tools & Guidance for Renewable Energy Projects

- **Renewable Energy Permitting Wizard**
- **Renewable EnerGIS Mapping Tool**
- **Renewable Energy Projects Directory**
- **Guide to Renewable Energy Facility
Permits in the State of Hawaii**
- **Permit Packets**



How to Access these Tools?

Hawaii State Energy Office Website

- Developer & Investor Center
- Google: “Developer & Investor Center”
- The Website Link:
<http://energy.hawaii.gov/developer-investor>



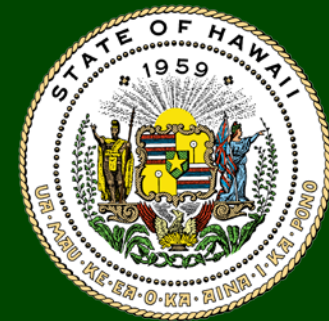
Let's Work Together

Hawaii State Energy Office

robert.l.hines@dbedt.hawaii.gov

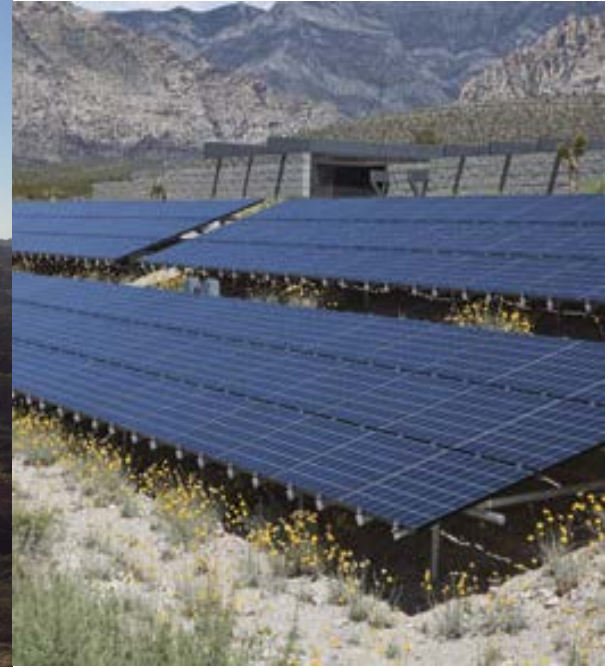
<http://energy.hawaii.gov>

(808) 587-9022



How to succeed in getting...

Permits for Green Energy Projects in Hawaii



Project Permitting Essentials

Technical

- Size/Scale
- Location
- Inputs/Outputs
- Regulatory
- Timetable

Community

- Culture
- Neighbors
- Area/Region
- Political
- Interest Groups

Environment

- Green/Brown
- Cultural
- Biological
- Human/Social
- Benefits

Permits & Reviews = Time

ID	Task Name	Duration	Start	Finish
1	CONCEPTUAL DESIGN (FINALIZE)	62 days	Fri 10/1/10	Mon 12/27/10
7	SCHEMATIC DESIGN	150 days	Fri 10/1/10	Thu 4/28/11
14	ENVIRONMENTAL ASSESSMENT	246 days	Fri 11/12/10	Fri 10/21/11
15	PRECONSULTATION/SUBS REPORTS	121 days	Fri 11/12/10	Fri 4/29/11
16	ARCHAEOLOGICAL IMPACT SURVEY SHPD REVIEW/APPROVAL	60 days	Mon 5/16/11	Fri 6/5/11
17	WETLANDS USAGE JURISDICTION DETERMINATION	40 days	Mon 5/9/11	Fri 7/1/11
57	PERMIT REVIEW BY CITY	180 days	Wed 6/1/12	Tue 4/9/13
58	ISSUANCE OF BUILDING PERMIT	0 days	Tue 4/9/13	Tue 4/9/13
59	CONSTRUCTION (ESTIMATED)	402 days	Fri 3/1/13	Mon 9/15/14
60	CONSTRUCTION BUILDING	30 days	Fri 3/1/13	Thu 4/11/13
61	CONTRACTOR NTP	0 days	Thu 4/11/13	Thu 4/11/13
62	CONSTRUCTION PHASE 1	240 days	Fri 4/12/13	Thu 3/13/14
63	CERTIFICATE OF OCCUPANCY	0 days	Thu 3/13/14	Thu 3/13/14
64	CONSTRUCTION PHASE 2	120 days	Tue 4/1/14	Mon 9/15/14
65	CERTIFICATE OF OCCUPANCY	0 days	Mon 9/15/14	Mon 9/15/14

- Planning
- Technical Studies
- Design
- EA/EIS & Approvals
- Permits (Build-Operate)
- Construction
- Operation
- ... Green Energy!

Limit the Process -- Up Front

- **Define Permit Requirements**
 - Land Use, Environmental, Site/Building
 - Legal Agreements, Licenses
- **Scope Project to Minimize Issues**
 - Location, Scope, Process, Design Choices
 - Limit Permits & Regulatory Process
- **Inter-Agency Cooperation Essential**
 - Federal, State, County
 - Seek Concurrent Reviews

“Don’t Be Afraid...It’s Green Energy!”



- **Agencies are Expediting Permit Reviews**
 - Mandates, System Efficiencies, Actions
- **Communities want Green Energy**
 - Everyone is Doing Their Part
- **It’s still a “Development Project”**
 - Not without Real Impacts & Balancing Values

Engage the Community

- Inform & Understand
 - Give Facts & Visuals
- Involve Community: Planning & Reviews
 - Outreach, Seek Local Input, Reflect Issues
- “Ownership” of the Outcomes
 - Recognize Impacts
 - Share in the Success



Kauai Algae Farm

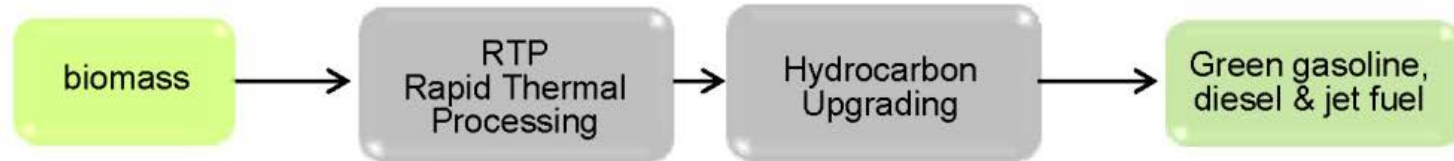
General Atomics & Hawaii BioEnergy

- Algae-Based Green Jet Fuel
- \$20m DARPA Grant Funding
- 30 acres
- Fed, State, County Permits: 12 mos.
- 2011 Operations



Biofuels Processing Facility

UOP Honeywell



- Non-Petroleum Fuels from Biomass
- DOE \$25m Grant
- NEPA, State & County Permits: 12 mos.
- 2012 Operational
- Agencies & Public



ASEF Kalaeloa Solar Farm

ASEF Kalaeloa (Sunetric & Partners)

- Ground Mount Solar Photovoltaic 5 MW
- HECO Negotiate PPA
- Kalaeloa HCDA
- HRS 343 EA
- State & County Permits: 18 mos.
- Construction: 2014
- Cultural Community



Kawailoa Wind Farm

Overview



- ✓ First Wind
- ✓ Commercial Wind Energy
- ✓ Kamehameha Schools
North Shore Lands
- ✓ HEPA and NEPA
- ✓ Federal, State, County
permits
- ✓ 2012 Operational

Kawailoa Wind Farm

- ✓ 69 MW
- ✓ 30 Turbines
- ✓ Collector lines
- ✓ Switching Station
- ✓ Access Roads
- ✓ Communications





Kawailoa Wind Farm

Permit Assessment

- ✓ Based on project description and alternatives
- ✓ GIS maps of regulatory, environmental, other data
- ✓ Include all potential permits
- ✓ Research requirements and consult with agencies
- ✓ Think strategically
- ✓ Use available tools (e.g., HRS 201N)

	A	B	D	E
1	Permit/Approval	Approving Agency	Condition or Trigger	Your Project
2				
3	FEDERAL			
9	STATE			
24	COUNTY			
37	MISCELLANEOUS			



Kawaihoa Wind Farm

Initial Permits and Approvals

HRS 343 EIS (Accepting Authority – DBEDT) for entire project
NEPA EA for Federal Approvals

Wind Farm Permits:

- ✓ **ESA Section 10 Incidental Take Permit**
- ✓ **FAA Determination of No Hazard to Air Navigation**
- ✓ **Federal Communications Commission (FCC) License**
- ✓ **State Endangered Species Incidental Take License**
- ✓ **Operate or Transport Oversize and/or Overweight Vehicles and Loads**
- ✓ **SMA (Minor)**
- ✓ **Conditional Use Permit (Minor)**

Communication Site Permits:

- ✓ **Conservation District Use Permit**
- ✓ **Request for Use of State Lands**

Kawailoa Wind Farm

HEPA and NEPA



CH2MHILL®

✓ HRS 343 EIS – under 12 months

EISPN	Sep 2010
DEIS issued	Feb 2011
FEIS Acceptance	Jul 2011

✓ NEPA concurrent with HEPA EIS

✓ Commercial operation Nov 2012



Kawaiiloa Wind Farm

Permit Schedule

- ✓ Based on Permit Assessment and other key activities
- ✓ Analyze task durations and links to other tasks
- ✓ Optimize the work
- ✓ Work the schedule
- ✓ Have a contingency plan (change management)

ID	Task Name				
		2009	2010	2011	2012
1	Kawaiiloa Wind Farm Project, Oahu, Hawaii				
2	Technical Activities				
3	Planning Studies				
7	Wind Farm - Conceptual Design				
14	Consultations and Stakeholder Engagement				
16	Environmental Technical Studies				
87	Permits, HRS 343 EIS and NEPA Approvals				
296	Construction				



Kawailoa Wind Farm

Compliance Matrix

1	Kawailoa Wind Farm Project					
2	Compliance Matrix					
3						
4	Report Number:	0		= Items pending/awaiting action		
5	Date:	11/22/11		= Urgent Items pending		
6						
7						
8	Item	Wind Farm	Mt. Ka'ala	Status	Update	Comments
9						
10	Conditional Use Permit No. 2011/CUP-76 (Issued by Dept. of Planning and Permitting on October 26, 2011)					
19	Special Management Area (SMA) Minor Permit No 2011/SMA-44 (Issued by Dept. of Planning and Permitting on October 26, 2011)					
24	Final Environmental Impact Statement (Accepted by DBEDT on July 20, 2011)					
25	<i>Climate and Air Quality</i>					
37	<i>Geology, Topography and Soils</i>					
50	<i>Hydrology and Water Resources</i>					
65	<i>Biological Resources - Flora</i>					
75	<i>Biological Resources - Fauna</i>					
97	<i>Historic, Archeological, and Cultural Resources</i>					
103	<i>Visual Resources</i>					
105	<i>Noise</i>					
108	<i>Transportation & Traffic</i>					
113	<i>Military Operations</i>					
121	<i>Hazardous Materials</i>					
127	<i>Public Safety</i>					

Permitting Success

- **Agencies:** “You’re not doing this alone!”
- **Team:** Info & Process **Coordination** 24-7
 - Work Closely with Agencies
- **Strategize** Pathways to Streamline Process
 - Avoid Conflicts & Solve Issues
- Enable **Quick Decisions**
 - Support Agencies with Information Needed
- **Be Flexible** in the Evolution of Projects



Closing Thoughts

Mahalo!

Navigating the Permit Process | October 15, 2013

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State Office of Planning

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